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ANNOTATED LIST OF ONTARIO LEPIDOPTERA

J. C. E. RIOTTE





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**ANNOTATED LIST
OF ONTARIO
LEPIDOPTERA**



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FIGURE 1. The four main faunal regions of Ontario. The 0°C annual mean temperature isotherm is indicated, and has been adopted here as the southern limit of northern Ontario. See Introduction for discussion.

INTRODUCTION

This publication summarizes the current knowledge concerning the distribution of Ontario Lepidoptera, exclusive of the Copromorphoidea (in part), Gelechioidea, Tineoidea (in part), Tortricoidea, and Yponomeutoidea (in part). These superfamilies have been excluded because they have not yet been sufficiently studied and are not represented by reliably identified specimens in most collections.

In 1959 I published a "Revision of C. J. S. Bethune's list of the butterflies of the eastern provinces of Canada as far as northern Ontario is concerned" (Riotte, 1959). That list, which has since been revised (Riotte, 1962b, 1971a), was to be the first instalment of a distributional list of all Ontario Lepidoptera. My subsequent studies of the Lepidoptera of southern Ontario resulted in a checklist of Ontario skippers and butterflies (Riotte, 1970a). This present publication compiles the collection records of various institutions, the seasonal summaries published by the Toronto Entomologists' Association for 1969–1988, and other regional lists.

Ontario, the second largest Canadian province, extends through 15 degrees of latitude and encompasses the widest range of environments of any Canadian province, ranging from tundra on the shores of Hudson Bay to temperate deciduous forests on the northern shores of Lake Erie and Lake Ontario (see Munroe, 1956). Ontario's four main faunal regions (Snyder, 1939), shown in Figure 1, are based on both climatic and geologic factors. Region 4 encompasses the whole of southern Ontario, and the line A–B (Figure 3) represents the approximate northern limit of the Carolinian Zone in Ontario. Region 3, the boreal forest region, extends south of the 0° C annual mean temperature isotherm to the climatic boundary separating the Laurentian Plateau from the Lower Great Lakes Region (Figure 2, line C–D). Region 2, the taiga, is the next most northern region and is bounded in the south by the 0° C annual mean temperature isotherm. Region 1, the tundra, is restricted to a narrow band along the shores of Hudson Bay and James Bay.

It should be noted that the boundary between the deciduous and boreal forest regions is discontinuous. For example, the boundary between white pine (*Pinus strobus*)/hemlock (*Tsuga canadensis*) forests and the mixed forests of the northern hardwoods region traces the following lines: extends from southern Ontario over southcentral into northcentral Ontario; meets the eastern shore of Lake Superior at about Michipicoten; is found on Michipicoten Island in Lake Superior; is seen again along the western shore southwest of Thunder Bay (Neebing Township) where it apparently penetrates from Minnesota; and then continues from about the Nipigon River westward into Manitoba (Lake of the Woods). The western part of the region, although lying between 48° and 49° 36' north latitude, resembles more closely the southern section in the east below 46° 36' north latitude than the corresponding northern latitudes of the eastern part of the region.

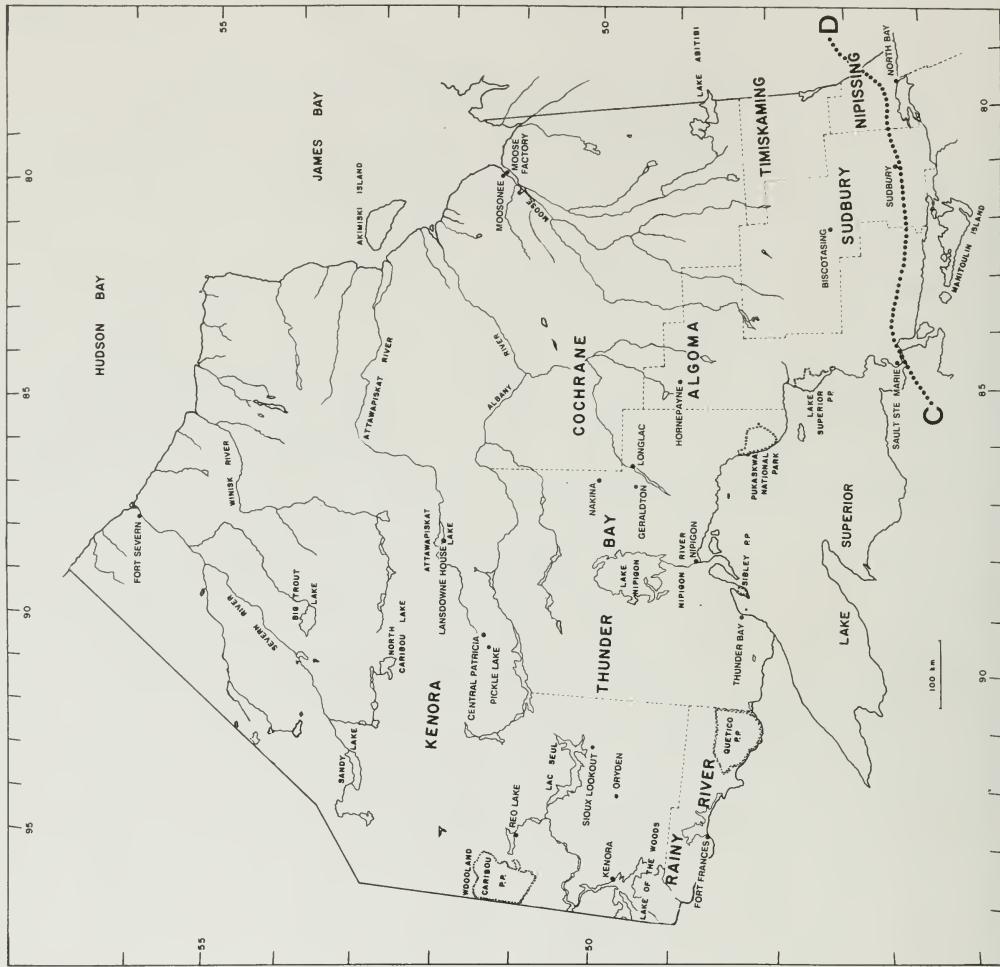


FIGURE 2. Districts and selected localities in central, western, and northern Ontario. The line C-D approximates the 4.5° C annual mean daily temperature isotherm, and has been adopted here as the northern limit of southern Ontario.

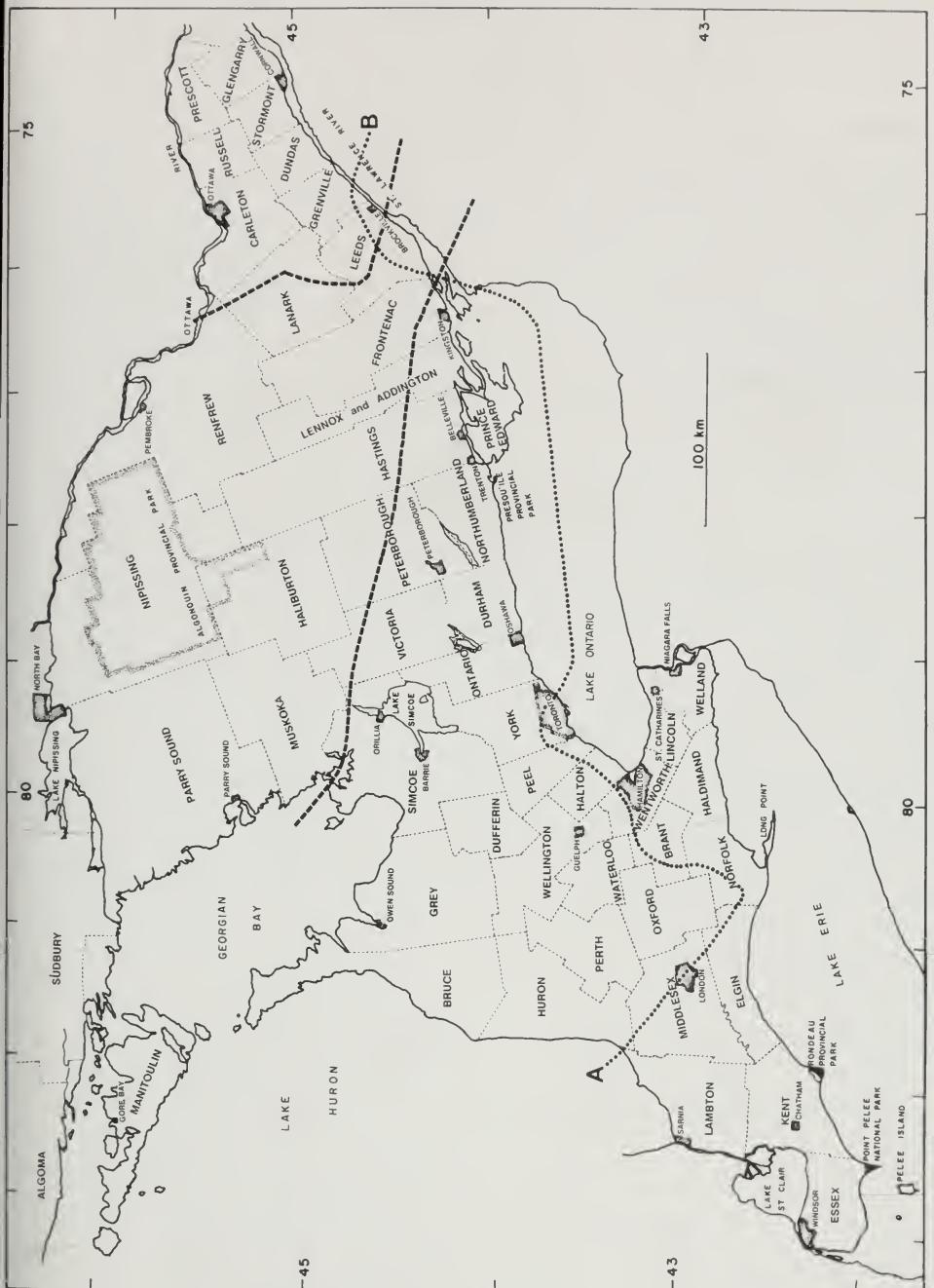


FIGURE 3. Counties, districts, regional municipalities, and selected localities in southern Ontario. The dashed line indicates the approximate southern and eastern limits of the Canadian Shield in Ontario. The line A-B represents the approximate northern limit of the Carolinian Zone in Ontario.

Temperature seems to be the primary environmental factor that determines the faunal regions of Ontario. Table 1 shows representative temperatures for localities listed in Figures 2 and 3 arranged from north to south. For detailed information see the publications of the Canada Department of Transport, Meteorological Division (e.g., 1947, 1954, 1964).

Needless to say, these climatic differences strongly influence lepidopteran populations. It has been suggested that the climate of Ontario has become generally milder (Baker, 1955; Miller, 1956; Urquhart, 1957). This may explain the occasional newcomers to the fauna of southwestern Ontario and the extension of well-established southern species' ranges into the north (e.g., Munroe, 1957). On the other hand, northern influences and relicts are to be found far to the south in the acid bogs which, although numerous in the boreal forest region, are also found singly in the deciduous forest region, e.g., near Hamilton and London (Byron Bog).

There are fewer species encountered the farther north one travels. The

TABLE I. Averages of daily mean temperatures in degrees Celsius.

Locality	January	July	Year
Trout Lake (Fort Severn)	-23.5	16.0	-3.0
Fort Frances	-16.0	20.0	3.3
Sioux Lookout	-19.4	18.3	1.3
Lansdowne House	-22.4	17.2	-1.4
Moose Factory (Moosonee)	-21.2	15.5	-1.7
Nakina	-18.8	16.5	0.2
Hornepayne	-20.0	15.0	0.0
Longlac (Geraldton)	-19.4	16.5	0.2
Nipigon	-13.8	17.2	1.1
Biscotasing	-16.6	16.5	0.0
Sault Ste. Marie	-11.1	17.2	3.3
Sudbury	-12.2	18.9	3.9
Manitoulin Island	-8.8	17.7	4.4
Algonquin Park	-11.6	17.7	3.3
Ottawa	-11.1	21.1	5.6
Kingston (Chaffey's Locks)	-7.2	20.0	6.6
Trenton	-7.2	21.1	7.2
Muskoka (meteorological observation station)	-10.0	18.9	5.2
Orillia	-8.3	20.0	5.6
Toronto	-5.0	20.6	7.2
Owen Sound	-6.6	20.6	7.2
Guelph	-6.6	20.0	6.6
St. Catharines	-3.3	21.6	8.9
Chatham	-3.8	22.8	8.9
Pelec Island	-3.8	23.9	9.4

greatest number of species is found in the deciduous forests of southwestern Ontario where several southern species reach their northern limit. But the mixed forests of southern Ontario are hardly "poor in species"; most of the species living in Ontario are represented there, too. Some species apparently do not cross the southern frontier of this region.

The boreal forests of central and western Ontario and of the southern parts of northern Ontario are still comparatively rich in moth species, but species richness, especially in the notodontids, decreases rapidly to the north. In fact, a reduction in species is already noticeable in the northeastern part of the mixed forest region. Most species are restricted to the boreal forests, but some species are collected on occasion in more southerly localities.

The presence of mixed forests west of Lake Superior—characterized by sumac (*Rhus* sp.), oak shrubs (*Quercus* sp.), and maple trees (*Acer* spp.)—as far north as Kenora, and of maple shrubs as far north as Macdiarmid, lends a special character to the fauna and flora of Ontario. These forests continue westward into Manitoba and support populations of some western species of Lepidoptera in northwestern Ontario. Here one might be surprised to find species that, east of Lake Superior, occur only much farther south.

The large forested areas of southern Ontario (e.g., Algonquin Park and Muskoka) are ideal breeding grounds for notodontids, noctuids, and geometrids. The area south of the Muskoka District, which 50 to 70 years ago yielded many species, is now largely under cultivation and supports fewer and fewer species.

MATERIALS AND METHODS

Compared to the butterflies, Ontario moths suffer a more serious lack of material, observations, and thorough collecting. Moreover, there is no previous list to build on, except the one found in the chapter dealing with insects and their allies by E. M. Walker (1913) in "The natural history of the Toronto region." Most of the earlier material in collections was acquired casually, although planned collection in Ontario can be traced for more than 100 years. The majority of available material has been collected over the last three or four decades. Only through the continued use of superactinic fluorescent ("blacklight") and mercury vapour lamps will we be able to obtain a more complete picture of the moths of the province.

The material used for compilation of the present list is accessible in the following collections: American Museum of Natural History, New York, New York 10024 (AMNH); Canadian National Collection, Biosystematics Research Centre, Ottawa, Ontario K1A 0C6 (CNC); Carnegie Museum of Natural History, Pittsburgh, Pennsylvania 15213 (CM); Field Museum of Natural History, Chicago, Illinois 60605 (FM); Lyman Entomological Museum, Macdonald College, Ste-Anne-de-Bellevue, Quebec H9X 3M1 (LEM); McMaster University, Hamilton, Ontario L8S 4L8 (McM); Queen's University, Kingston, Ontario K7L 3N6 (QU); Royal Ontario Museum, Toronto, Ontario M5S 2C6 (ROM); University of Guelph, Guelph, Ontario N1G 2W1 (UG); The University of Western Ontario, London, Ontario N6A 3K7 (UWO). Also used were Bethune's notebook (Beth) in the archives of the ROM, the seasonal summaries published by the Toronto Entomologists' Association for 1969–1988, and the following regional accounts: Freeman (1969), Judd (1963, 1970), Lafontaine (1972), Lamb (1967), Layberry, Lafontaine, and Hall (1980), and Worthington (1983). Distribution records taken from these last publications are indicated by an asterisk (*) in the checklist.

This study is based on material that can be traced to the following main sources:

- a) the historical collections of C. J. S. Bethune, W. Brodie, J. D. Evans, J. Fletcher, J. Macoun, J. A. Morden, H. S. Saunders, C. J. Tyers, and F. W. Warwick. Many specimens from these early collectors are preserved in the CNC and ROM. For further information about the historic development of entomology in Ontario, see Glen (1956).
- b) material collected in the first decades of this century and later by enthusiastic private collectors, especially H. V. Andrews (Toronto), H. Dawson (Hymers), P. Hahn (Toronto), H. S. Parish (Toronto), G. E. Scott (Severn Bridge), R. S. Scott (Toronto), I. M. Smith (Port Credit), and W. Plath (Hamilton, whose valuable geometrid collection is now in the ROM). Their material has found its way into the ROM and other institu-

tional collections either directly or subsequently by donation or purchase (e.g., the Buchholz collection in AMNH or B. P. Clark's sphingid collection in CM).

- c) material collected for institutions, especially by the following collectors: E. M. Walker (especially De Grassi Point on Lake Simcoe); F. P. Ide (especially Ottawa and vicinity); N. K. Bigelow in the 1920s (Macdiarmid and Low Bush); and R. V. Whelan in the 1930s (important collections in Smoky Falls). Members of ROM summer expeditions to selected northern Ontario localities provided some material: G. M. Neal, 1937 (Teman-gami Forest Reserve), and 1938 (Favourable Lake); S. C. Downing, 1939 (Fraserdale, Moosonee, and Onakawana); C. E. Hope, 1939 (Lansdowne House on Lake Attawapiskat), and 1940 (Fort Severn); F. A. Urquhart, 1942 (Big Piskwanish, Fort Albany, and Nettichi River); W. Y. Watson, 1945 and 1948 (Cape Henrietta Maria), and 1947 (Malachi, Nakina, and Sioux Lookout). I have included my own collecting: since 1952 in Geraldton, Nakina, and Nipigon (all in Thunder Bay District); since 1956 in Toronto, Sudbury, and One Sided Lake (in Rainy River District), and with the support of W. Hartley in (South) Neebing Township near Thunder Bay (material in AMNH, CNC, ROM); in 1963, 1964, and 1969-1975 in Chaffeys Locks (near Kingston); in 1965 in Rondeau Provincial Park and Algonquin Park; in 1966 in Geraldton and Chaffeys Locks; in 1967 in Kendal; in 1968 in Cawaja Beach. Finally, collectors include workers at the Algonquin Park Nature Museum for the Ontario Ministry of Natural Resources; workers at the Park Museum at Rondeau Provincial Park for the Ontario Ministry of Natural Resources; members of the Canadian Northern Insect Survey, organized by the former Division of Entomology of the Canada Department of Agriculture, D. F. Hardwick, 1949 (Moosonee); J. B. Wallis, 1952 (Ogoki Post); and A. B. Klots and F. H. Rindge of the AMNH, 1955 (Geraldton, Nakina, Nipigon, and western Ontario).
- d) material collected by members of the Biosystematics Research Centre, Canada Department of Agriculture, CNC. Here, particular mention should be made of the specimens collected by J. H. McDunnough, T. N. Freeman (especially southwestern Ontario), J. E. H. Martin (Marmora), E. G. Munroe, and employees of the entomological and other biological laboratories throughout the province.

Also deserving of special mention is the Forest Insect and Disease Survey (FIDS) established under the Forest Entomology and Pathology Branch of the former Canada Department of Forestry. Centred around the Forest Insect Laboratory in Sault Ste. Marie, Ontario, the FIDS assembles information about forest insects through the services of the Forest Biology Rangers, and publishes annual reports and distributional records (see McGugan, 1958;

Prentice, 1962, 1963, 1965; Raizenne, 1952). The present study would have been less comprehensive than it is were it not for the FIDS research, the availability of its reference collections in Ottawa and Sault Ste. Marie, and the original reports and reference cards prepared for its published distributional maps. For this study FIDS records were used primarily for data on rare and especially interesting species. Detailed information about food plants may be found in the publications mentioned above and is not repeated here.

In general, nomenclature and classification follows the "Checklist of the Lepidoptera of America North of Mexico (MONA)" (Hodges et al., 1983). Species are arranged alphabetically within genera. Subspecies are omitted except for consideration in the notes. Vernacular English and French names are added (English name/French name) if listed in "Noms français d'insectes au Canada avec noms latins et anglais correspondants" (Benoit, 1975). Distributional information is given following the species name, by region (see Fig. 1). In some cases, an "s" or "n" is added to indicate occurrence in only the southernmost or northernmost parts of a region. Where only a single locality is known, this is given in the text. Ontario type localities are noted if known. For most families, detailed occurrences by county and/or district (with reference to the Ontario Gazetteer of 1974) are listed for each region (see Figs. 2 and 3). Remarks on specimens examined, flight period, number of generations, and food plant are appended following the distributional summary when available and relevant. In a few instances, information on crossbreeding and rearing experiments is included together with new evidence for the taxonomic status of Ontario populations. In the superfamily Pyraloidea and in the family Noctuidae, only the faunal regions are given; I feel that considerably more research and collecting would be necessary in these groups to provide a more detailed breakdown that does not create erroneous impressions of distribution. Further information on the Noctuidae is available in Rockburne and Lafontaine (1976). Additional information is also provided in the moth checklist for southeastern Ontario (Ward, Harmsen, and Hebert, 1974).

Throughout the list, the following abbreviations and terms are used: Dist. for District, Co. for County, Twp. for Township; the Latin auct. (*auctorum*) to mean of various authors, part. (*partim*) to mean in part, and teste to indicate that one author's word is accepted for the record; the Toronto Entomologists' Association is identified as TEA.

The records from the Ontario tundra region are published here for the first time. This material is in the collection of the Royal Ontario Museum, which sent field parties to Fort Severn in 1940 and in Cape Henrietta Maria in 1948. Also remarkable are the several southern records (noted in the list) from a light trap operated by the Entomology Laboratory, Canada Department of Agriculture, in Chatham in southwestern Ontario.

LIST OF SPECIES

ORDER LEPIDOPTERA SUBORDER ZEUGLOPTERA

Superfamily Micropterigoidea Family Micropterigidae

Genus *Epimartyria* Walsingham

E. auricrinella Walsingham. 2: Cochrane. 4: Carleton; Simcoe. 4 May–18 July. CNC. Known only from a few localities.

SUBORDER EXOPORIA

Superfamily Hepialoidea Family Hepialidae

Genus *Sthenopis* Packard

S. argenteomaculatus (Harris). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Halton; Kent; Leeds; Nipissing; Simcoe; Waterloo. 21 June–29 July. AMNH, Beth, CNC, McM, ROM, UG. Common.

S. auratus Grote. 4: Carleton; Leeds; Muskoka; Peterborough. Mid July. CNC, ROM. Known from very few specimens.

S. purpurascens (Packard). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Essex; Leeds; Muskoka. 19 June–16 August. AMNH, CM, CNC, LEM, QU, ROM. Common.

S. quadriguttatus (Grote). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Hastings; Muskoka; Nipissing; York. 20 June–19 August. AMNH, Beth, CM, CNC, McM, ROM, UG. Common.

S. thule Strecker. 4: Carleton; Grenville; Hastings; Lanark; Leeds. 20 June–23 July. CNC, ROM, UG. Known only from a few specimens.

Genus *Korscheltellus* Börner [= *Hepialus* Fabricius, part.]

K. gracilis (Grote). 2: Kenora, Patricia Portion. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton. 3 July–4 August. AMNH, CNC, ROM. Uncommon. The synonym *K. mustelinus* (Packard) from 4: Muskoka. 26 July–13 September. CM, ROM. Known only from a few specimens. See Wagner (1988).

Genus *Gazorycta* Hübner [= *Hepialus* Fabricius, part.]

***G. noviganna* (Barnes and Benjamin).** 3: Thunder Bay. 11 August–9 September. Larvae as late as early November. Beth, CNC, LEM, ROM. Significant numbers of specimens from only two localities (Black Sturgeon Lake and Hymers) in the three collections; ROM specimens identified by N. B. Tindale, an Australian hepialid specialist; species referred to by Forbes (1923) as “*hyperboreus* Moeschler.” See Wagner and Tindale (1988).

SUBORDER MONOTRYSTIA

Superfamily Nepticuloidea
Family Nepticulidae

Genus *Ectoedemia* Busck

***E. populella* Busck.** 3: Rainy River. 4: Carleton; Norfolk. CNC.

Superfamily Incurvarioidea
Family Incurvariidae
Subfamily Incurvariinae

Genus *Lampronia* Stephens [= *Incurvaria* Haworth]

***L. taylorella* (Kearfott).** 4: Muskoka (Gravenhurst, 23 June 1904). ROM.

Genus *Paraclemensia* Busck

***P. acerifoliella* (Fitch).** 4: mainly southeastern Ontario as far west as Sault Ste. Marie.

Subfamily Adelinae

Genus *Adela* Latreille

***A. purpurea* Walker.** 3: Thunder Bay. 4: Carleton; Muskoka (Severn Bridge, 27 April); Peel (Innis Lake, 5 May 1940). CNC, ROM.

***A. ridingsella* Clemens.** 4: Carleton; Simcoe. CNC.

SUBORDER DITRYSIA

Superfamily Tineoidea (in part)
Family Psychidae
Subfamily Taleporiinae

Genus *Solenobia* Dupont

S. walshella Clemens. 4: Carleton; Leeds; Ontario; Simcoe. 15 April–23 May.
CNC, ROM. Known only from a few localities.

Subfamily Psychinae

Genus *Psyche* Schrank

P. casta (Pallas). 4: Peterborough (Owenbrook, 9–17 June 1955). CNC. An introduced European species, more common in Massachusetts and Pennsylvania; not recorded elsewhere in Canada.

Genus *Astala* Davis [= *Eurycyrtarus* Hampson]

A. confederata (Grote and Robinson). 4: Essex; Halton; Victoria. July. CNC, ROM. Known only from a few localities.

Superfamily Gelechioidea (not included in this list)

Superfamily Copromorphoidea (in part)
Family Alucitidae

Genus *Alucita* Linné

A. hexadactyla Linné [= *huebneri* (Wallengren)]. 2. 4. CNC, ROM.

Superfamily Yponomeutoidea (in part)

Family Yponomeutidae

Genus *Atteva* Walker

A. punctella (Cramer) [= *aurea* Fitch]. 4: Essex*; Haldimand; Kent; Leeds; Simcoe. CNC, ROM.

Genus *Yponomeuta* Latreille

Y. atomocellus Dyar. 4s: Essex (Point Pelee). CNC.

Y. multipunctellus Clemens. 1: Essex. 4: Haldimand; Hastings; Lincoln; Middlesex; Simcoe; York. CNC, ROM.

Y. padellus (Linné). 4n: Carleton (Ottawa). CNC. Introduced.

Superfamily Sesioidea

Family Sesiidae

See Engelhardt (1946).

Subfamily Tinthiinae

Tribe Pennisetiini

Genus *Pennisetia* Dehne

P. marginata (Harris). 3: Thunder Bay. 4: Carleton; Lincoln; Nipissing; Simcoe; Wellington. ROM.

Subfamily Paranthreninae

Tribe Paranthrenini

Genus *Paranthrene* Hübner

P. asilipennis (Boisduval). 4s: Wentworth (Hamilton, 30 May 1916). ROM.

Genus *Vitacea* Engelhardt

V. polistiformis (Harris). 3: Cochrane. 4: York. ROM.

Genus *Albuna* Hy. Edwards

A. fraxini (Hy. Edwards). 4s: Lincoln (Niagara Falls). CNC.

A. pyramidalis (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Cochrane; Sudbury; Thunder Bay. 4: Middlesex; Parry Sound; York. CNC, ROM.

Subfamily Sesiinae

Tribe Melittiini

Genus *Melittia* Hübner

M. cucurbitae (Harris). 4: York*.

Tribe Sesiini

Genus *Sesia* Fabricius

S. tibialis (Harris). 3: Thunder Bay*.

Tribe Synanthonedonini

Genus *Synanthonedon* Hübner

S. albicornis (Hy. Edwards). 4: Carleton; Essex; Leeds; Middlesex; Norfolk; Oxford; Prince Edward. CNC, ROM.

S. acerni (Clemens). 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Norfolk; Peterborough*; Simcoe; Welland; York. CNC, ROM.

S. acerrubri Engelhardt. 4: Simcoe (Orillia). CNC.

S. bolteri (Hy. Edwards). 3: Thunder Bay*.

S. exitiosa (Say). 3: Thunder Bay*. 4: Carleton; Lincoln; Middlesex; Wellington; Wentworth; York. CNC, ROM.

S. fulvipes (Harris). 3: Rainy River; Thunder Bay*. 4: Carleton; Lincoln. CNC.

S. novaroensis (Hy. Edwards). 2: Cochrane (Remi Lake). 3: Thunder Bay*. CNC.

S. pictipes (Grote and Robinson). 3: Thunder Bay*. 4: Carleton; Lincoln; Norfolk; Wentworth; York. CNC, ROM.

S. pini (Kellicott). 4: Carleton; Hastings; Renfrew. CNC.

S. proxima (Hy. Edwards). 3: Thunder Bay*. 4s: Middlesex; Oxford. CNC.

S. pyri (Harris). 4s: York. ROM.

S. saxifragae (Hy. Edwards). 3: Rainy River (One Sided Lake). CNC.

S. scitula (Harris). 4: Grenville; Lincoln; Norfolk; Peel; York. CNC, ROM.

S. tipuliformis (Clerck). 4: Hastings; Kent; Middlesex; Norfolk; Peel; York. CNC, ROM.

S. viburni Engelhardt. 4s: Lincoln; Wellington. CNC.

Genus *Podosesia* Möschler

P. syringae (Harris). 3: Thunder Bay*. 4n: Carleton. CNC.

Genus *Carmenta* Hy. Edwards

C. bassiformis (Walker) [= *aureopurpura* (Hy. Edwards)]. 4: Victoria. CNC.

C. corni (Hy. Edwards). 3: Thunder Bay*. 4n: Carleton. CNC.

C. pyralidiformis (Walker). 4: Hastings; Lincoln; Middlesex; Norfolk. CNC, ROM.

Genus *Penstemonia* Engelhardt

P. dammersi Engelhardt. 4: Lincoln; Norfolk. CNC.

P. edwardsii (Beutenmüller). 4: Lincoln; Simcoe. CNC.

Genus *Alcathoe* Hy. Edwards

A. caudata (Harris). 4: Hastings; Peel; York. CNC, ROM.

**Family Choreutidae
Subfamily Choreutinae**

Genus *Anthophila* Haworth

A. alpinella (Busck). 4: Carleton. CNC.

Genus *Prochoreutis* Diakonoff and Heppner

P. inflatella (Clemens). 4: Carleton. CNC.

Genus *Caloreas* Heppner

C. leucobasis (Dyar). 4: Carleton. CNC.

Genus *Tebenna* Billberg

T. onustana (Walker). 4: Carleton. CNC.

Genus *Choreutis* Hübner

C. diana (Hübner). 3: Thunder Bay. 4: Carleton. CNC.

C. pariana (Clemens). 4: Carleton; Frontenac; Simcoe; Wentworth. CNC.

Superfamily Coccoidea

Family Cossidae

Goat-moths, carpenterworms.

Subfamily Cossinae

Genus *Acossus* Dyar

***A. centerensis* (Lintner).** Poplar carpenterworm/ver charpentier du peuplier. 3: Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Leeds; Middlesex; Muskoka; Nipissing; Simcoe; York. 10 June–26 July. AMNH, CNC, LEM, ROM.

***A. populi* (Walker).** 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 27 June–12 August. AMNH, CNC, LEM, ROM. Evidently more northern than the previous species.

Genus *Prionoxystus* Grote

***P. macmurtrei* (Guérin-Méneville).** Little carpenterworm/petit ver charpentier. 2: Thunder Bay. 3: Thunder Bay. 4: Durham; Frontenac; Huron; Kent; Leeds; York. 29 May–30 June. CNC, ROM. Known only from a few localities in very different faunal regions; the males are extremely rare in collections.

***P. robiniae* (Peck).** 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Durham; Essex; Hastings; Kent; Leeds; York. 2 June–18 July. AMNH, CNC, ROM.

Superfamily Tortricoidea (not included in this list)

Superfamily Hesperioidae
Family Hesperiidae
Subfamily Pyrginae

Genus *Epargyreus* Hübner

***E. clarus* (Cramer).** 3: Rainy River. 4: Brant*; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Halton; Huron; Kent; Lambton; Leeds; Lincoln; Manitoulin*; Middlesex; Muskoka; Norfolk; Northumberland; Peel; Peterborough; Prescott*; Renfrew; Russell; Simcoe; Waterloo*; Wentworth; York. End May–end September. AMNH, Beth, CNC, ROM, UG, UWO.

Genus *Achalarus* Scudder

***A. lyciades* (Geyer).** 4: Essex (Sandwich West Twp.*), 9 June and 9 July 1988, Jeff Larson). Only two individuals known. Evidence suggests it may be a resident. See TEA Occasional Publications 1989, 20:11.

Genus *Thorybes* Scudder

***T. bathyllus* (J. E. Smith).** 4: Elgin; Essex; Haldimand; Lambton; Middlesex; Norfolk; Wentworth; York. Early June–mid July. CNC, ROM, UG.

T. pylades (Scudder). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming*. 4: Carleton; Bruce; Dundas*; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton*; Lanark; Leeds; Lincoln; Manitoulin*; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Renfrew*; Russell*; Simcoe; Stormont; Victoria; Wellington*; Wentworth; York. End May–end July. AMNH, Beth, CNC, ROM, UG, UWO.

Genus *Staphylus* Godman and Salvin

S. hayhurstii (Edwards). 4: Essex (Pelee Island. Point Pelee). June–mid September. ROM. Forbes (1960:69) said, “Evans considered our species a race of the Mexican *S. mazans* (Reakirt) but the genitalia are strikingly different.” Rare straggler from south.

Genus *Erynnis* Schrank

E. baptisiae (Forbes). 4: Essex (Leamington. Windsor, Ojibway Park); Lambton (Walpole Island*); Norfolk (St. Williams). June–end September. CNC. Known only from southwestern Ontario.

E. brizo (Boisduval and Leconte). 4: Essex*; Grey*; Halton; Huron*; Lambton; Manitoulin*; Middlesex; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Victoria; Wentworth. End April–end June. ROM. Specimens cited by Scudder (see Burns, 1964) from Ottawa could not be located.

E. horatius (Scudder and Burgess). 4: Essex (Point Pelee*); Lambton (Pinery Provincial Park); Norfolk. Early May–mid June and August. Known only from a few specimens in private collections until recently.

E. icelus (Scudder and Burgess). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dufferin; Dundas; Durham; Elgin*; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton*; Hastings; Huron; Lambton; Lanark*; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Prescott; Renfrew; Russell; Simcoe; Victoria; Welland; Wellington; Wentworth; York. Early May–early July. AMNH, Beth, CNC, ROM, UG, UWO.

E. juvenalis (Fabricius). 3: Algoma; Kenora; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peterborough; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early May–early July. CNC, ROM, UG.

E. lucilius (**Scudder and Burgess**). 3: Algoma. 4: Bruce; Carleton; Durham; Elgin*; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Russell; Victoria; Wellington; Wentworth; York. Early May–end August. CNC, ROM, UG, UWO.

E. martialis (**Scudder**). 4: Carleton; Essex*; Haldimand; Hastings; Kent; Lambton; Lincoln; Middlesex*; Norfolk; Victoria; Wentworth; York. Mid May–early August. CNC, ROM, UG.

E. persius (**Scudder**). 4: Lambton (Walpole Island*). Pinery Provincial Park*); Muskoka (Bracebridge*); Norfolk (Backus Woods*. St. Williams*).

Early May–early June. See TEA Occasional Publications 1981, 12:39.

E. zarucco (**Lucas**). 4: Ontario (Rouge River, 20 June 1935, T. Irwin). CNC. Known only from one specimen that was out of range even as a straggler.

Genus *Pyrgus* Hübner

P. centaureae (**Rambur**). 1: Kenora, Patricia Portion (Winisk*). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Kenora; Sudbury. Early June–mid July. AMNH, Beth, CNC, ROM. The record “Favourable Lake” (Riotte, 1959) should be corrected to “Lansdowne House.” Not reported often.

P. communis (**Grote**). 4: Essex; Lincoln (St. Catharines); York (Toronto, Cedarvale Ravine, Bathurst Street at St. Clair, 1982, TEA Summary 1982). End August–end September. ROM. Rarely reported and not known to overwinter in Ontario.

Genus *Pholisora* Scudder

P. catullus (**Fabricius**). 4: Carleton; Elgin; Essex; Haldimand; Halton; Huron; Kent; Lambton; Lincoln; Middlesex; Nipissing; Muskoka; Norfolk; Peel; Peterborough; Wentworth; York. End May–end August. CNC, ROM, UG, UWO. Widely distributed but not common.

Subfamily Heteropterinae

Genus *Carterocephalus* Lederer

C. palaemon (**Pallas**). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Carleton; Dufferin; Dundas; Grenville; Haliburton; Halton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Ontario; Parry Sound; Peterborough; Prescott; Renfrew*;

Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth*; York. End May–early July. AMNH, Beth, CNC, ROM, UG, UWO. Subspecies *C. p. mandan* (Edwards).

Subfamily Hesperiinae

Genus *Ancyloxypha* Felder

***A. numitor* (Fabricius).** 2: Cochrane*; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Oxford; Peel; Peterborough; Perth; Prescott*; Prince Edward; Renfrew*; Russell; Stormont; Victoria; Wellington; Wentworth; York. End May–end July; in the south to early October. AMNH, CNC, ROM, UG, UWO.

Genus *Oarisma* Scudder

***O. garita* (Reakirt).** 4n: Manitoulin (Great la Cloche Island only). 26 June–8 July. First Ontario record: P. M. Catling, 1976. ROM. See TEA Annual Summaries.

Genus *Thymelicus* Hübner

***T. lineola* (Ochsenheimer).** 2: Cochrane (Hearst). 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid June–early September. AMNH, CNC, ROM, UG, UWO. Introduced from Europe; first recorded in Ontario in Middlesex (Hyde Park Corner) in 1910. Subsequently spread south (Michigan, Ohio, Kentucky, Pennsylvania, New Jersey) and to northcentral Ontario (Sudbury, Sault Ste. Marie, and north), eastern Ontario (Ottawa, Brockville), and western Ontario to Thunder Bay (Fort William), and very recently to northern Ontario proper to Cochrane (Hearst) as well as to the western provinces of Canada. See Pengelly (1960, 1965), Arthur (1962, 1966), Riote (1962a), and Burns (1966) for additional information. The pale form has been reported in Ontario but is rare.

Genus *Hylephila* Billberg

***H. phyleus* (Drury).** 4: Elgin*; Essex; Haldimand; Halton; Kent (Rondeau Provincial Park); Lambton; Peel; Wentworth; York. End July–mid October. ROM, UWO. May overwinter in Ontario but only second brood reported so far. See Wormington (1983).

Genus *Hesperia* Fabricius

***H. comma* (Linné).** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay; Timiskaming. 4: Grey; Manitoulin; Muskoka; Nipissing; Parry Sound; Renfrew. Early July–early September. AMNH, Beth, CNC, ROM, UG.

***H. leonardus* Harris.** 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Elgin*; Essex; Frontenac; Haldimand; Haliburton; Halton; Huron; Kent*; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew*; Russell; Wellington*; Wentworth; York. End July–end September. CNC, ROM, UG, UWO.

***H. sassacus* Harris.** 2: Kenora. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. End May–end July; in the north, end June–July. CNC, LEM, ROM. Subspecies *H. s. manitoboides* (Fletcher) in northern populations; Thunder Bay (Nipigon, type locality).

Genus *Polites* Scudder

***P. coras* (Cramer) [= *peckius* (Kirby)].** 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early June–early September. AMNH, Beth, CNC, ROM, UG, UWO.

***P. mystic* (Edwards).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury*; Thunder Bay; Timiskaming. 4: Brant; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria;

Waterloo; Wellington; Wentworth; York. Early June–early August.

AMNH, Beth, CNC, LEM, ROM, UG, UWO.

P. origenes (Fabricius) [= *manataqua* (Scudder)]. 4: Brant; Carleton; Dufferin; Dundas; Durham; Elgin*; Essex; Frontenac; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Renfrew; Simcoe; Victoria; Waterloo; Welland*; Wellington; Wentworth; York. End June–early August. CNC, ROM, UG. Local.

P. themistocles (Latreille). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End May–end August. AMNH, Beth, CNC, ROM, UG, UWO.

P. vibex (Geyer). 4: York (Toronto, no date, Arthur Gibson). CNC. Known only from one specimen.

Genus *Wallengrenia* Berg

W. egeremet (Scudder). 3: Cochrane. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Haldimand; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Wellington; Wentworth; York. Mid June–mid August. CNC, ROM, UG, UWO.

Genus *Pompeius* Evans

P. verna (Edwards). 4: Brant*; Elgin*; Essex; Haldimand; Halton; Huron; Kent; Lambton; Lincoln; Middlesex; Norfolk; Northumberland; Peel; Wellington; Wentworth; York. End June–end July. CNC, ROM, UG. Rare and local.

Genus *Atalopedes* Scudder

A. campestris (Boisduval). 4: Essex*; Middlesex (London, 21 September 1968, Ken Thorne). End June–end September. Known only from the one London female until 1988 when over 50 were recorded in Essex Co., many of which were from a subsequent local brood produced by the original migrants.

Genus *Atrytone* Scudder

A. delaware (Edwards). 4: Brant; Essex; Halton; Huron; Kent; Lambton; Norfolk; Peel; Simcoe*; Waterloo; Wellington; Wentworth; York. End June–end July. CNC, ROM. Known only from a few localities; uncommon.

Genus *Poanes* Scudder

P. hobomok (Harris). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. Mid May–mid July; in the north, early July. AMNH, Beth, CNC, ROM, UG, UWO. The female form *pocahontas* (Scudder) has been recorded in 3: Sudbury; Timiskaming*. 4: Carleton; Durham; Elgin; Haldimand; Leeds; Middlesex; Muskoka; Norfolk*; Parry Sound; Peel; Peterborough*; Simcoe; Victoria; Wentworth; York. CNC, Peabody Museum, ROM, UG.

P. massasoit (Scudder). 4: Brant; Dundas; Elgin; Essex; Grey; Glengarry; Halton; Hastings; Huron*; Kent; Lambton; Lennox and Addington; Middlesex; Nipissing*; Russell*; Stormont; Waterloo; Wentworth. Early July–early August. ROM. Very local.

P. viator (Edwards). 4: Brant; Carleton; Dundas; Elgin; Essex; Frontenac; Grenville; Haldimand; Halton; Huron; Kent; Lambton; Lanark; Leeds; Middlesex; Norfolk; Northumberland*; Renfrew; Russell; Stormont; Waterloo; Wellington; Wentworth; York. End June–early August. CNC, ROM, UG.

Genus *Euphyes* Scudder

E. bimacula (Grote and Robinson). 3: Sudbury. 4: Brant; Carleton; Essex; Kent; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Peterborough; Russell; Simcoe; Waterloo*; Wellington; Wentworth; York. Mid June–end July. AMNH, ROM, UWO. Known from isolated colonies.

E. conspicua (Edwards). 4: Brant; Elgin*; Essex; Haldimand; Kent; Lambton; Lincoln; Norfolk; Middlesex; Waterloo; Wellington*; Wentworth (Dundas Valley). Early July–early August. ROM. Known only from the region immediately north of Lake Erie.

E. dion (Edwards). 4: Brant; Carleton; Dundas; Elgin; Essex; Frontenac; Glengarry; Haldimand; Huron; Kent; Lambton; Leeds; Middlesex; Norfolk; Northumberland; Peterborough; Russell; Waterloo; Welland; Wellington; Wentworth; York. End June–mid August. CNC, ROM, UG, UWO

E. dukesi (Lindsey). 4: Essex (McGregor, first Ontario specimen 11 July 1968; 9 July 1974, and 14 July 1975, A. M. Holmes, some specimens ROM. Point Pelee National Park. Other Essex localities); Kent (a few western localities); Leeds (Chaffeys Locks, 7 July 1975, summer students of Queen's University Biological Station on Lake Opinicon, swampy area north of old railway station, specimen lost). See also Riotte (1972b). End June–end August. Local.

E. ruricola (Boisduval). 2: Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville; Grey; Haldimand; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. End June–mid August. AMNH, Beth, CNC, ROM, UG, UWO. Subspecies *E. r. metacomet* (Harris) and *E. r. vestris* Boisduval.

Genus *Atrytonopsis* Godman

A. hianna (Scudder). 4: Lambton (Ipperwash. Pinery Provincial Park). End May–end June. ROM, UWO. L. Packer has proposed rare status for this species in Ontario (see TEA Occasional Publications 1988, 19:6).

Genus *Amblyscirtes* Scudder

A. hegona (Scudder) [= *samoaset* (Scudder)]. 3: Sudbury; Timiskaming. 4: Carleton; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough*; Timiskaming*. End May–mid June. CNC, ROM, UG. Local and rare.

A. vialis (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Elgin; Frontenac; Haliburton; Hastings; Huron; Lambton; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Simcoe; Victoria; Wentworth; York. End May–early July. AMNH, Beth, CNC, ROM, UG.

Superfamily Papilioidea

See Klots (1951), Ehrlich and Ehrlich (1961), and Opler and Krizek (1984).

Family Papilionidae
Subfamily Papilioninae
Tribe Troidini

Genus *Battus* Scopoli

***B. philenor* (Linné).** Pipe vine swallowtail. 3: Thunder Bay (Caribou Island, Lake Superior, 12 September 1979, A. Wormington, a straggler from the south). 4: Elgin; Essex; Haldimand; Halton*; Huron; Kent; Northumberland; Ontario; Waterloo*; Wentworth; York. End May–early October. CNC, ROM. As its vernacular name suggests, breeding restricted to a small area on the north shore of Lake Erie and near Hamilton and Toronto where the foodplant is grown around houses, once and if migrants arrive. Not known to overwinter in Ontario, except on Pelee Island where the foodplant grows wild. Usually fairly rare.

Tribe Papilionini

Genus *Papilio* Linné

***P. cresphontes* Cramer.** 4: Elgin; Essex; Haldimand*; Kent; Lambton; Lincoln; Middlesex; Norfolk*; Waterloo*; Welland; Wentworth*; York. End May–early September. CNC, ROM.

***P. glaucus* Linné.** Tiger swallowtail/papillon glauque. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid April–mid October. CNC, ROM. Northern populations are smaller, light yellow, and one-brooded while southern populations are larger, deeper yellow, and have at least a partial second generation. Black form females occur in extreme southern Ontario—e.g., Pelee Island and Point Pelee—and are rare. Subspecies *P. g. canadensis* Rothschild and Jordan in the north; considered a separate species by some biologists.

***P. "machaon"* Linné.** 2: Cochrane (Nettichi River); Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Thunder Bay (Hymers [see Forbes, 1960]. City of Thunder Bay*, 1988. South Neebing Twp., 21 June 1963, W. Hartley). Early June–early July. CNC, ROM. Subspecies *P. m. hudsonianus* A. H. Clark. The question of whether Nearctic “*machaon*”

is conspecific with the palaearctic nominate *machaon* is yet to be answered.

***P. polyxenes* Fabricius.** Black or parsnip swallowtail/papillon du céleri. 3: Algoma; Rainy River (Lake of the Woods shore); Sudbury; Thunder Bay (Nipigon). 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Oxford; Peel; Perth; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid April–end September. CNC, ROM. Subspecies *P. p. asterius* Stoll.

***P. troilus* Linné.** Spicebush swallowtail. 4: Elgin; Essex; Haldimand*; Huron; Kent; Lambton; Middlesex; Norfolk; Waterloo*; Welland; Wentworth*; York. Mid April–end September. CNC, ROM.

Genus *Eurytides* Hübner [= *Graphium* auct.]

***E. marcellus* (Cramer).** 4: Brant (reported flying in the Brantford area, 1978); Elgin*; Essex; Norfolk*; Northumberland*; Waterloo*; York. Mid June–early September. CNC, ROM. Recorded in Toronto as late as 1943 in the Humber Valley. May be seen at Point Pelee and other southerly locations. Not known to overwinter in Ontario. May breed here but the foodplant, pawpaw, is restricted in the province. Usually very rare. See Wormington (1983).

Family Pieridae Subfamily Pierinae Tribe Pierini

Genus *Pontia* Fabricius

***P. occidentalis* (Reakirt).** Checkered white cabbageworm/piéride occidentale du chou. 2: Kenora, Patricia Portion (Lansdowne House). 3: Rainy River (Atikokan); Thunder Bay. End June–September. ROM. Identity of specimens confirmed by dissection.

***P. protodice* (Boisduval and Leconte).** 2: Kenora (Minaki. Waldhof). 3: Rainy River; Thunder Bay. 4: Carleton; Elgin*; Essex*; Haldimand*; Halton*; Manitoulin; Norfolk; Northumberland; Peel; Simcoe; Waterloo*; York. End June–early October. CNC, ROM. Identity of specimens confirmed by dissection. Not common in northwestern Ontario; usually rare in the south.

Genus *Pieris* Schrank

This genus is kept intact following Ehrlich (1958), Forster and Wohlfahrt (1976), and Geiger (1980). Geiger (1980) used electrophoresis to show decisively that there is no support for the proposal to split the old genus *Pieris*.

***P. oleracea* Harris [= *napi oleracea* Harris].** 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Frontenac; Glengarry; Grenville; Grey; Haliburton; Halton; Hastings; Huron*; Lambton; Lanark; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington*; Wentworth*; York. Mid April–mid September. CNC, ROM. Following Warren (1961, 1963) and Geiger (1986), *oleracea* was treated as a species distinct from the palaearctic *napi* (Linné). See also Eitschberger and Steiniger (1983).

***P. rapae* (Linne).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early April–early November. CNC, ROM.

***P. virginianensis* Edwards.** 3: Algoma. 4: Brant*(?); Elgin; Frontenac; Halton; Leeds; Manitoulin; Middlesex (north Mosa Twp.); Peel; Waterloo*; Wellington*; [Wentworth (Hamilton); York (Etobicoke)]. Mid April–end May. CNC, ROM, UG, UWO. The counties in square brackets contain localities where the species is by now extinct. This was Ontario's only officially endangered butterfly; in 1990 it was removed from the list of endangered species. For detailed studies, see TEA Occasional Publications; see also Riotte (1967b).

Genus *Ascia* Scopoli

***A. monuste* (Linné).** 4: Essex (Point Pelee, 16 June 1981, Park Naturalist A. Wormington, definitive sight record). See TEA Occasional Publications 1982, 13:35; Wormington, 1983. Only Ontario record.

Subfamily Anthocharinae

Genus *Euchloe* Hübner

E. ausonides (Lucas). 2: Kenora; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Manitoulin. Early May–end June. CNC, ROM. See Riotte (1967a, 1968).

E. olympia (Edwards). 4: Carleton; Frontenac; Haliburton; Hastings; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Northumberland; Peterborough; Parry Sound; Renfrew; Victoria. Mid April–mid June. CNC, ROM.

Subfamily Coliadinae

Genus *Colias* Fabricius

C. eurytheme Boisduval. Alfalfa caterpillar/coliade de la luzerne. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville*; Haldimand; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds*; Lennox and Addington; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Stormont; Waterloo; Welland; Wellington; Wentworth; York. Early May–early November. CNC, ROM. The most common *Colias* in Ontario.

C. gigantea Strecker. 1: Kenora, Patricia Portion (Cape Henrietta Maria. Fort Severn. Winisk). 2: Cochrane (Fort Albany). End June–early August. ROM. Only found in the extreme north of Ontario.

C. interior Scudder. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Haliburton; Hastings*; Lanark; Manitoulin; Muskoka; Nipissing; Parry Sound; Peterborough*; Russell; Victoria; Waterloo* [?]; York. Mid June–mid August. CNC, ROM. Recently has been spreading to the south.

C. palaeno (Linné). 1: Kenora, Patricia Portion (Fort Severn. Winisk). 2: Kenora, Patricia Portion (Lansdowne House). July. CNC, ROM. Subspecies *C. p. chippewa* Edwards.

C. pelidne Boisduval and Leconte. 1: Kenora, Patricia Portion (Cape Henrietta Maria. Winisk). 2: Cochrane (Fort Albany. Moose Factory). End June–end July. CNC, ROM.

C. philodice Godart. Clouded sulphur/piéride du trèfle. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin;

Essex; Frontenac; Glengarry; Grenville; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. End April–early November. CNC, ROM.

Genus *Zerene* Hübner

***Z. cesonia* (Stoll).** Dog face. 4: Essex (Point Pelee*, 24 June 1931); York (Toronto). ROM. Recorded at the Humber River, 11–15 June 1896 (see *Canadian Entomologist*, 28, July 1896). Two specimens recorded in Toronto, 6 June 1896, and a single specimen recorded in Toronto, 13 July 1906; another reportedly seen in a Toronto city park in 1973. Thought to occur in extreme southwestern Ontario near Leamington (in Essex Co.), but no specimens in collections are known. Rare straggler from the south. See also Wormington (1983).

Genus *Phoebeis* Hübner

***P. philea* (Johannsson).** 4: Essex (Windsor, 1896); Huron (1930); Lincoln (Vineland, 1930, 1944). 13 July–13 October. ROM. Very sporadic straggler from the south.

***P. sennae* (Linné).** 4: Essex (Point Pelee. Windsor*, 1988); Kent (Rondeau Provincial Park); Peel (Port Credit*, 2 September 1985, from Hurricane Elena?); York (Toronto*). End May–early October. ROM. Subspecies *P. s. eubule* (Linné).

Genus *Eurema* Hübner

***E. lisa* Boisduval and Leconte.** 3: Sudbury. 4: Carleton; Durham; Essex; Elgin*; Frontenac; Haldimand; Kent; Leeds*; Lincoln*; Manitoulin; Ontario*; Simcoe; Waterloo; Welland; York. Early June–end September. CNC, ROM. See TEA Occasional Publications 1934, 19:3; Wormington (1983). Almost yearly migrant from the south, which then produces as many as three broods. Varies in number from year to year. Usually not common. Not known to overwinter in Ontario.

***E. mexicanum* (Boisduval).** 4: Essex (Point Pelee). CNC. Known in Ontario from only one specimen, 30 June 1882, W. E. Saunders. See Wormington (1983).

***E. nicippe* (Cramer).** 3: Rainy River (Quetico Provincial Park*, 21 June 1978, photographed by Marie Nelson, a worn female on flower of *Corydalis sempervirens*). See TEA Occasional Publications 1979, 10:16, and 1980, 11. A suspect specimen with a label from 4: Carleton (Ottawa,

about 1900, W. E. Saunders), is probably just a Saunders collection label and unrelated to where the specimen was caught. CNC. See Lafontaine (1972).

Genus *Nathalis* Boisduval

N. iole Boisduval. 3: Algoma. 4: Peterborough (Bridgenorth, 1947, T. H. Johnson). CNC, ROM. Only two specimens known.

Family Lycaenidae Subfamily Liphyrinae Tribe Gerydini [= Spalginii]

Genus *Feniseca* Grote

F. tarquinius (Fabricius). 3: Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming*. 4: Carleton; Elgin*; Frontenac; Haliburton; Hastings*; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Ontario*; Peterborough*; Russell; Simcoe; Victoria; Waterloo*; Wentworth; York. Mid May-end August. CNC, ROM. Local.

Subfamily Lycaeninae

Genus *Lycaena* Fabricius

L. dorcas (Kirby). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay. 4: Bruce; Grey; Lambton; Manitoulin; Waterloo. End June-mid August. CNC, ROM.

L. epixanthe (Boisduval and Leconte). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River. 4: Brant; Bruce; Carleton; Frontenac; Haliburton; Leeds; Middlesex; Muskoka; Nipissing; Oxford*; Prescott; Renfrew; Russell; Simcoe; Wentworth; York. Mid June-mid August. CNC, ROM. In southern Ontario restricted to acid bogs.

L. heliooides (Boisduval). 2: Cochrane (west of Hearst). 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Haldimand*; Kent (Rondeau Provincial Park); Manitoulin; Parry Sound; Waterloo; York. End July-end August. CNC, ROM. Rare and local.

L. hyllus (Cramer) [= *thoe* (Guérin-Méneville)]. 3: Cochrane*; Kenora; Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln*; Manitoulin; Middlesex;

Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Waterloo; Wellington*; Wentworth; York. Early June–early October. CNC, ROM.

L. phlaeas (Linné). 2: Cochrane. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Halton; Hastings; Haliburton; Kent; Lambton*; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Prescott*; Russell; Simcoe; Victoria; Waterloo*; Welland; Wentworth; York. Mid May–early October. CNC, ROM. Subspecies *L. p. americana* Harris.

L. xanthoides (Boisduval). 3: Kenora (just east of Hwy 17 and 71, 29 July 1979, John Prideaux, Jr.), see TEA Occasional Publications 1983, 14. Ontario is at the extreme eastern edge of its range.

Subfamily Eumaeinae Tribe Strymonini

Genus *Harkenclenus* dos Passos

H. titus (Fabricius). 2: Kenora. 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel*; Peterborough; Simcoe; Waterloo; Wellington; Wentworth; York. End June–end August. CNC, ROM.

Genus *Satyrium* Scudder

S. acadicum (Edwards). 3: Algoma*; Rainy River; Sudbury. 4: Brant*; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin*; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. Mid June–mid August. CNC, ROM.

S. calanus (Hübner). 3: Algoma*; Sudbury. 4: Brant; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry*; Grey; Haldimand*; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo*; Welland; Wellington*; Wentworth; York. End June–mid August. CNC, ROM. Subspecies *S. c. falacer* (Godart) may be a species in its own right.

S. caryaevorum (McDunnough). 4: Carleton; Durham; Elgin; Essex; Frontenac; Glengarry; Halton; Hastings*; Kent; Lincoln; Leeds; Middlesex; Norfolk; Northumberland*; Ontario; Simcoe; Waterloo; Wentworth; York. End June–end July. CNC, ROM.

S. edwardsii (Grote and Robinson). 4: Brant; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Halton*; Lambton; Leeds; Lennox and Addington*; Lincoln; Middlesex; Norfolk; Northumberland; Parry Sound; Renfrew; Simcoe; Waterloo*; Wellington*; Wentworth*; York. End June–mid August. CNC, ROM.

S. liparops (Leconte). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Glengarry*; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End June–mid August. CNC, ROM. Subspecies *S. l. fletcheri* (Michener and dos Passos) in northern Ontario.

Genus *Mitoura* Scudder

M. grynea (Hübner). 4: Essex (Point Pelee. Pelee Island); Frontenac; Hastings; Northumberland; Prince Edward. End May–early August. CNC, ROM. Known for many years from Point Pelee; recorded near Marysville and near Shannonville (both in Hastings Co.) in 1965, and near Perth Road (in Frontenac Co.) in 1973.

Genus *Incisalia* Scudder

I. augustus (Kirby). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Grey; Haliburton; Lambton; Lanark; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Prescott; Russell; Simcoe; York. Mid April–mid June. CNC, ROM. In southern Ontario restricted to acid bogs.

I. eryphon (Boisduval). 2: Kenora; Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 4: Durham (Port Hope); Frontenac; Haliburton; Manitoulin; Muskoka; Nipissing; Parry Sound; Renfrew. Early May–mid June. CNC, ROM. For many years not recognized and may be misidentified as *niphon* in some collections.

I. henrici (Grote and Robinson). 4: Carleton; Frontenac; Leeds; Muskoka*; Norfolk; Northumberland; Parry Sound; Peterborough; Prescott. Mid April–mid June. CNC, ROM. Local.

***I. irus* (Godart).** 4: Norfolk (St. Williams). End April–early June. CNC, ROM. L. Packer proposed endangered status for this species in Ontario and it was placed on the endangered species list in 1990. See TEA Occasional Publications 1988, 19:6.

***I. lanoraieensis* Sheppard.** 4: Prescott (Alfred Bog in Caledonia Twp., 22 May 1982; 29 May 1983). See TEA Occasional Publications 1984, 15. Ontario is at the extreme western edge of its range.

***I. niphon* (Hübner).** Jack-pine hairstreak/lycaenide du pin gris. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haliburton; Halton*; Hastings*; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peterborough; Renfrew; Russell; Victoria; Wellington*; Wentworth; York. Mid April–mid June. CNC, ROM. Subspecies *I. n. clarki* (Freeman) in northern Ontario.

***I. polia* Cook and Watson.** 2: Cochrane; Thunder Bay (Geraldton, Lukinto Lake, Nakina). 3: Rainy River; Thunder Bay (Marathon). 4: Bruce; Carleton; Frontenac (Perth Road); Lambton (Pinery Provincial Park); Lanark; Leeds (Chaffey's Locks); Manitoulin; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Renfrew; Victoria (Dalrymple). Early April–mid June. AMNH, CNC, ROM. Probably occurs in other localities where the foodplant *Arctostaphylos uvaursi* (bearberry) grows.

Genus *Euristrymon* Clench

***E. ontario* (Edwards).** 4: Elgin (Port Stanley, 1868, type locality). CNC. This is the only specimen known from Ontario in any scientific collection. For other possible specimens, see TEA Occasional Publications 1986, 17:20, and 1987, 18:25.

Genus *Parrhasius* Hübner

***P. m-album* (Boisduval and Leconte).** 4s: Essex (Point Pelee, 31 August 1960, two specimens. City of Essex, 11 September 1960). Known from only three specimens. CNC. See TEA Occasional Publications 1983, 14; Wormington (1983).

Genus *Strymon* Hübner

***S. melinus* Hübner.** 4: Elgin; Essex; Frontenac; Huron*; Kent; Leeds; Lennox and Addington*; Nipissing; Norfolk*; Northumberland; Peterborough*; Renfrew*; Simcoe; Victoria. End April–early October. CNC, ROM. Not common.

Genus *Erora* Scudder

E. laeta (Edwards). 4: Leeds (Chaffeys Locks); Middlesex (London, type locality); Muskoka; Nipissing (Algonquin Provincial Park); Parry Sound; Simcoe; York. Mid May–mid June. CNC, ROM; holotype CM. Very rarely seen in known localities; never to be expected. See TEA Occasional Publications 1983, 14.

Subfamily Polyommatainae Tribe Everini

Genus *Everes* Hübner

E. amyntula (Boisduval). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. Early June–mid August. CNC, ROM. A partial second generation occurs in warm years.

E. comyntas (Godart). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand*; Halton; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Nipissing; Norfolk; Northumberland; Ontario; Peel; Prince Edward; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. Early May–16 October. CNC, ROM. Wormington (1983) states there are up to four generations at Point Pelee. *Everes amyntula* and *comyntas* are not so much western and eastern as northern and southern in Ontario. Sudbury may be taken to be approximately the southernmost locality for *amyntula*. H. K. Clench (personal comment) now holds that the two are quite different species. See Klots (1951:163–164).

Tribe Lycaenopsini

Genus *Celastrina* Tutt

C. ladon (Cramer) [= *pseudargiolus* (Boisduval and Leconte)]. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth*; York. Early April–mid September. CNC, ROM.

Forms *lucia* (Kirby) and *marginata* (Edwards) are equally abundant in northern localities; a few specimens of form *violacea* (Edwards) are regularly intermingled. Form *neglecta* (Edwards) is local in early and hot summers: Thunder Bay (Nakina, 18 July 1955).

Tribe Scolitantidini

Genus *Glaucoopsyche* Scudder

G. lygdamus (Doubleday). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Essex* (Point Pelee, 1981); Frontenac; Grey; Haliburton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Victoria. Early May–mid July. CNC, ROM. A partial second generation may occur in extremely hot summers in late August, e.g., Thunder Bay (Geraldton, 22 August 1955). Subspecies *G. l. couperi* Grote is questionably recorded in northern Ontario. For information on *G. l. lygdamus* (Doubleday) at Point Pelee, see Wormington (1983).

Tribe Polyommatini

Genus *Lycaeides* Hübner

L. idas (Linné) [= *argyrogномон* Bergsträsser]. 2: Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Thunder Bay. Early June–early August. ROM. Subspecies *L. i. nabokovi* Masters. See Higgins (1985).

L. melissa (Edwards). 4: Lambton; [Middlesex]; Norfolk; [York]. Early May–mid August. CNC, ROM. The counties in square brackets contain localities where the species is by now extinct. L. Packer proposed endangered status for this species in Ontario and it was placed on the endangered species list in 1990. See TEA Occasional Publications 1988, 19:6. Subspecies *L. m. samuelis* Nabokov.

Genus *Plebejus* Kluk

P. saepiolus (Boisduval). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Hastings; Muskoka; Nipissing; Parry Sound. Early June–early August. CNC, ROM. Subspecies *P. s. amica* (Edwards).

Genus *Agriades* Hübner

***A. franklinii* (Curtis)** [= *glandon* auct. = *aquilo* auct.]. 1: Kenora, Patricia Portion (Cape Henrietta Maria. Brant River, Polar Bear Provincial Park). ROM. Recorded for the first time on the Ontario mainland near Hudson Bay on 30 July 1969, by T. O'Riley.

Family Riodinidae

None recorded in Ontario.

Family Libytheidae

Subfamily Libytheinae

Genus *Libytheana* Michener

***L. bachmanii* (Kirtland).** 4: Bruce; Carleton; Elgin; Essex; Halimand; Halton; Kent; Lambton; Lincoln; Manitoulin; Middlesex; Norfolk; Northumberland*; Prince Edward; Ontario; Waterloo; York. Mid May–early November. ROM. Rare outside of extreme southwestern Ontario.

Family Nymphalidae

Subfamily Nymphalinae

Tribe Nymphalini

Genus *Polygonia* Hübner

***P. comma* (Harris).** 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Bruce; Carleton; Dundas; Elgin; Essex; Frontenac; Halimand*; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin; Middlesex; Muskoka*; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early March–early December. CNC, ROM.

***P. faunus* (Edwards).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Grey; Haliburton; Hastings; Lanark; Manitoulin; Muskoka; Nipissing; Parry Sound; Peel; Peterborough*; Renfrew; Russell; Wentworth. End April–early September. CNC, ROM.

***P. gracilis* (Grote and Robinson).** 2: Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. End May–end August. CNC, ROM. Not often reported.

P. interrogationis (Fabricius). 3: Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel*; Peterborough; Renfrew; Russell; Simcoe; Stormont; Waterloo; Welland; Wellington; Wentworth; York. Early April–early November. CNC, ROM.

P. progne (Cramer). 2: Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant*; Bruce; Carleton; Dundas; Essex; Frontenac; Grenville; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton*; Lanark; Leeds; Lennox and Addington; Lincoln; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo*; Wellington; Wentworth; York. End March–early October. CNC, ROM.

P. satyrus (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay (Geraldton). 3: Algoma; Kenora; Rainy River; Thunder Bay; Timiskaming. 4: Manitoulin; Nipissing*. Mid May–end August. CNC, ROM. Subspecies *P. s. neomarsyas* dos Passos.

Genus *Nymphalis* Kluk

This genus is kept intact following Ehrlich (1961).

N. antiopa (Linné). 1: Kenora, Patricia Portion (Cape Henrietta Maria). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant*; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Haldimand*; Haliburton; Hastings; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early March–early November. CNC, ROM.

N. milberti (Godart). 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Haldimand*; Halton; Huron; Kent; Lambton; Lanark; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Waterloo; Welland; Wentworth; York. Early March–early October. CNC, ROM.

N. vau-album (Denis and Schiffermüller). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin*; Essex; Frontenac; Haldimand*; Haliburton; Halton; Huron*; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Simcoe; Victoria; Waterloo; York. Early March–early October. CNC, ROM. The population can vary greatly. Subspecies *N. v. j-album* (Boisduval and Leconte).

Genus *Vanessa* Fabricius

V. atalanta (Linné). Red admiral/vanesse amirale. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth*; Peterborough; Prescott; Prince Edward; Simcoe; Stormont; Russell; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. End March–end October. CNC, ROM.

V. cardui (Linné). Painted lady/vanesse de l'artichaut. 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peterborough; Prince Edward; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End April–mid November. CNC, ROM.

V. virginianensis (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End March–mid October. CNC, ROM.

Tribe Hypolimnini

Genus *Junonia* Hübner

***J. coenia* (Hübner).** 2: Thunder Bay. 3: Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand*; Huron; Lambton; Leeds; Manitoulin; Nipissing; Norfolk; Northumberland; Ontario; Perth; Russell; Simcoe; Stormont*; Waterloo; Welland; Wentworth; York. Mid June–early November. AMNH, CNC, ROM. The only record from northern Ontario was in an abnormally hot year from Thunder Bay (Geraldton, 16 July 1955, A. B. Klots). Varies in number from year to year.

Subfamily Argynninae

Genus *Euptoieta* Doubleday

***E. claudia* (Cramer).** Variegated fritillary/fritillaire panachée. 3: Algoma; Kenora; Rainy River; Thunder Bay. 4: Carleton; Elgin*; Essex; Haldimand*; Halton; Kent; Lambton; Norfolk; Perth; Waterloo; York. Mid June-end September. CNC, ROM. Uncommon. Reaches Ontario from the prairies in the west and from south of Lake Ontario and Lake Erie in the south.

Genus *Speyeria* Scudder

***S. aphrodite* (Fabricius).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Grey; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Lambton; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Russell; Simcoe; Waterloo*; Welland; Wellington; York. End June–early September. CNC, ROM. Subspecies *S. a. winni* (Gunder). Subspecies *S. a. alcestis* (Edwards) is known from southwestern Ontario (ROM).

***S. atlantis* (Edwards).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Frontenac; Grey; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Ontario*; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Waterloo*; Victoria; York. Mid June–early September. CNC, ROM.

S. cybele (Fabricius). 2: Kenora (Sioux Lookout). 3: Algoma*; Cochrane; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early June–end September. CNC, ROM.

S. idalia (Drury). 4: Huron (Grand Bend); Kent (Rondeau Provincial Park); Middlesex (Hyde Park Corner); Norfolk*; Waterloo (Kitchener*). End July–end August. ROM. Very rare and not reported recently. See Lamb (1967).

Genus *Boloria* Moore

This genus is kept intact following Ehrlich (1961).

B. bellona (Fabricius). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Northumberland; Ontario; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. Mid April–end September. CNC, ROM. Subspecies *B. b. toddi* (Holland) in northern Ontario.

B. eunomia (Esper). 1: Kenora, Patricia Portion (Cape Henrietta Maria. Fort Severn). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton (Mer Bleue*); Parry Sound; Nipissing. Early June–mid July. CNC, ROM. Very short flight period in any given area.

Subspecies *B. e. triclaris* (Hübner) on the tundra; subspecies *B. e. dawsoni* (Barnes and McDunnough) in remaining localities; Thunder Bay (Hymers, type locality). See Freeman (1969) and Lafontaine (1972).

B. freija (Thunberg). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Thunder Bay; Timiskaming (Kenogami). 4: Carleton (Mer Bleue*). Mid May–end June. CNC, ROM. See Freeman (1969) and Lafontaine (1972)

B. frigga (Thunberg). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River. Mid May–end July. AMNH, CNC, ROM. The tundra population closely resembles

the population of Churchill, Manitoba, subspecies *B. f. saga* (Staudinger); the southern populations are distinctive with brighter basic wing colour and stronger black markings.

***B. selene* (Denis and Schiffermüller).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce*; Carleton; Dundas; Elgin; Frontenac; Grey; Haliburton; Halton*; Hastings; Huron; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland*; Ontario; Parry Sound; Peel; Peterborough*; Prescott; Renfrew; Russell; Simcoe; Waterloo; Wellington*; Wentworth; York. End May–mid September. CNC, ROM. Subspecies *B. s. atrocostalis* (Huard) in the north; subspecies *B. s. myrina* (Cramer) in the south.

***B. titania* (Esper).** 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. Early July–end August. CNC, ROM. Subspecies *B. t. boisduvalii* (Duponchel) on the tundra. Subspecies *B. t. grandis* (Barnes and McDunnough) in the remaining localities; Thunder Bay (Hymers, type locality).

Subfamily Melitaeinae

Genus *Phyciodes* Hübner

The entry *P. campestris* (Behr) included in previous lists must be deleted. The male genitalia of some ROM specimens differ from *P. batesii* and *pascoensis*; however, it is not known to what extent this may be part of the normal range of variation in *batesii*.

***P. batesii* (Reakirt).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Elgin*; Frontenac; Halton; Lambton; Lanark; Kent; Manitoulin; Muskoka; Nipissing; Peterborough*; Simcoe; Waterloo; Welland; Wentworth; York. End May–early July. CNC, ROM.

***P. pascoensis* Wright [= *P. morpheus* (Fabricius) = *P. selenis* W. Kirby].** 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Frontenac; Grey; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds (Chaffeys Locks); Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Stormont; Victoria; Waterloo; Welland; Wellington*;

Wentworth; York (Toronto). One brood, late June–early August. CNC, ROM. See also Opler and Krizek (1984); Scott (1986); and TEA Occasional Publications 1988, 19:14.

P. tharos (Drury). 3: Kenora; Rainy River; Thunder Bay. 4: Essex (Point Pelee); Grenville; Haldimand; Haliburton; Kent; Leeds (Chaffeys Locks); Lincoln; Norfolk; Ontario; Peterborough; Simcoe; York (Toronto). ROM. Two broods in southern Ontario, May–early June and late July–September (P. A. Opler, personal comment; see also Opler and Krizek (1984); Scott (1986); and TEA Occasional Publications 1988, 19:14).

Genus *Charidryas* Scudder [= *Chlosyne* auct.]

C. gorgone (Hübner). 4: York (Toronto). ROM. Three specimens from Toronto, Humber Valley, 6 June 1891; one specimen ex coll. Bethune without data, Toronto. Species now is considered to be extirpated in the province, but may eventually be found in other locations, especially near the western border.

C. harrisii (Scudder). 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Glengarry*; Grenville; Haliburton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Prescott; Russell; Simcoe*; Waterloo*; Welland. Early June–end July. CNC, ROM.

C. nycteis (Doubleday). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Elgin; Essex; Haldimand*; Haliburton; Huron; Kent; Lambton; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough*; Renfrew*; Simcoe; Victoria; Waterloo*; Welland; Wellington*; Wentworth*; York. End May–end July; a second brood has been reported in Windsor in August. CNC, ROM. Northern Ontario specimens resemble the subspecies *C. n. drusius* (Edwards) described from Jefferson County, Colorado. Other subspecies *C. n. reversa* (F. & R. Chermock).

Genus *Euphydryas* Scudder

E. phaeton (Drury). 2: Thunder Bay. 3: Algoma*. 4: Brant; Carleton; Dundas; Elgin; Essex; Glengarry; Grenville; Grey; Haldimand*; Halton; Huron; Lambton; Lanark; Leeds; Lincoln; Middlesex; Norfolk; Northumberland; Ontario*; Peterborough*; Prescott; Russell; Simcoe*; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. Mid June–end July. CNC, ROM. Local. The only record from Thunder Bay Dist. is a single large female (Macdiarmid, 22 July 1924, ROM).

Subfamily Limenitidinae
Tribe Limenitidini

Genus *Limenitis* Fabricius

L. archippus (Cramer). Viceroy/sylvain royal. 2: Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville*; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario*; Oxford; Peel; Peterborough; Prince Edward; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria*; Waterloo; Wellington; Wentworth*; York. End May–mid October. CNC, ROM.

L. arthemis (Drury). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Durham; Frontenac; Glengarry; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel*; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; York. Early June–early September. CNC, ROM. The material from northwestern Ontario (Nakina–Geraldton–Nipigon and west) shows very strong traces of gradation to subspecies *L. a. rubrofasciata* Barnes and McDunnough in some specimens. This species is an excellent example of a very gradual and indistinct east-west cline.

The southern phenotype of this polymorphic species, *L. a. astyanax* (Fabricius), was found in the following counties: 4: Elgin; Essex; Haldimand; Kent; Lambton; Norfolk. End April–early September. CNC, ROM. A broad zone of intergradation between the two forms can be traced in the following counties: 4: Durham; Elgin; Essex; Haliburton; Halton; Huron; Kent; Lambton; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. CNC, ROM. For the solution of the *arthemis/astyanax* question see Platt and Brower (1968).

Subfamily Charaxinae
Tribe Apaturini

Genus *Asterocampa* Röber

***A. celtis* (Boisduval and Leconte).** 4: Carleton (Nepean); Elgin*; Essex (Point Pelee. Pelee Island); Halton*; Middlesex. Mid June–mid September. CNC, ROM. See TEA Occasional Publications 1983, 14:6, and 1986, 17:20.

***A. clyton* (Boisduval and Leconte).** 4: Brant (Brantford); Elgin; Essex; Huron; Kent (Bothwell); Lambton*; Middlesex (Byron); Victoria*; Waterloo. Early July–end August. ROM.

Family Satyridae
Subfamily Elymniinae
Tribe Parargini

Genus *Enodia* Hübner [= *Lethe* Hübner]

***E. antheron* A. H. Clark.** 2: Kenora. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry*; Grey; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Mid June–mid August. CNC, ROM.

Genus *Satyrodes* Scudder [= *Lethe* Hübner]

***S. appalachia* (R. L. Chermock).** 4: Brant; Carleton; Dundas; Elgin; Essex; Haldimand; Halton*; Huron; Kent; Lambton; Lanark; Manitoulin; Middlesex; Norfolk; Northumberland; Oxford; Peterborough; Prescott*; Waterloo; Wellington; Wentworth; York. Early June–early August. ROM. Probably more widely distributed in southern Ontario but not always recognized.

***S. eurydice* (Johansson).** 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haliburton; Haldimand; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early June–mid September. CNC, ROM. Not common north of Sudbury.

Subfamily Satyrinae
Tribe Euptychiini

Genus *Megisto* Hübner [= *Euptychia* auct.]

***M. cymela* (Cramer).** 2: Kenora. 3: Algoma; Rainy River; Sudbury; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville*; Grey; Halton; Haldimand*; Haliburton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. End May–mid August. CNC, ROM. Essentially southern. There may be two cryptic species under this name, both of which may reach Ontario. See Opler and Krizek (1984).

Tribe Coenonymphini

Genus *Coenonympha* Hübner

***C. inornata* Edwards.** 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Frontenac; Glengarry; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Mid May–early October. CNC, ROM. Recently has been spreading in southwestern Ontario. For information on supposed subspecies see TEA Occasional Publications.

Tribe Maniolini

Genus *Cercyonis* Scudder

***C. pegala* (Fabricius).** 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk;

Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott*; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland*; Wellington; Wentworth; York. End June–early September. CNC, ROM.

Tribe Erebiini

Genus *Erebia* Dalman

E. disa (Thunberg). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Thunder Bay. End May–end June. CNC, ROM. Subspecies *E. d. mancinus* Doubleday and Hewitson.

E. discoidalis (Kirby). 1: Kenora, Patricia Portion (Fort Severn). 2: Kenora, Patricia Portion; Thunder Bay. 3: Cochrane; Kenora; Rainy River; Sudbury; Timiskaming. Early May–mid July. CNC, ROM.

Tribe Satyrini

Genus *Oeneis* Hübner

O. chryxus (Doubleday and Hewitson). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Lanark; Leeds; Lennox and Addington; Manitoulin; Muskoka; Nipissing; Parry Sound; Peterborough; Renfrew; Simcoe; Victoria. Early May–mid June. CNC, ROM. Subspecies *O. c. strigulosa* McDunnough. The specimen from 2: Cochrane (Fraserdale, 13 June 1971, S. M. Daniels) may be subspecies *O. c. calais* (Scudder).

O. jutta (Hübner). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Manitoulin; Nipissing; Parry Sound; Prescott (Alfred Bog); Russell. End May–end July. CNC, ROM. Subspecies *O. j. ascerta* Masters and Sorensen. The population on the tundra belongs to subspecies *O. j. alaskensis* Holland, known from Churchill, Manitoba.

O. macounii (Edwards). 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay (Nipigon, type locality). 4: Nipissing. End May–early August. CNC, ROM. Adults are said to fly only in even-numbered years.

O. melissa (Fabricius). 1: Kenora, Patricia Portion (Cape Henrietta Maria. Fort Severn). July. ROM. Subspecies *O. m. semplei* Holland.

Family Danaidae
Subfamily Danainae

Genus *Danaus* Kluk

***D. plexippus* (Linné).** Monarch butterfly/monarque. 2: Thunder Bay (Geraldton). 3: Algoma; Cochrane; Kenora (Minaki*); Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early May–early December. AMNH, CNC, ROM. Recorded only in abnormally hot years in Thunder Bay (Geraldton, 14 July 1955, A. B. Klots). In Nipigon, recorded normally every year in mid June. Not breeding in the north. Congregates along shores of Lake Ontario and Lake Erie and migrates in mass south to Mexico every winter. Descendants return to breed in early summer.

Superfamily Zygaenoidea
Family Zygaenidae

Genus *Harrisina* Packard

***H. americana* (Guérin-Méneville).** 4: Essex; Haldimand; Kent; Norfolk. 19 June–23 July. CNC, McM, ROM. Occurs only in the southernmost part of the region along the north shore of Lake Erie.

Family Limacodidae
The tribes of Forbes (1923) are retained.

Tribe Cochliidiini

Genus *Tortricidia* Packard

***T. flexuosa* (Grote).** 4: Carleton; Durham; Elgin; Haldimand; Haliburton; Hastings; Kent; Leeds; Middlesex; Nipissing; Peterborough; Simcoe; Stormont. 8 June–29 July. CNC, LEM, ROM. A partial second generation may occur, e.g., Haldimand (Dunnville, 20 August). The form *caesonia* (Grote) was recorded at Chaffey's Locks.

T. pallida (Herrich-Schäffer). 4: Durham (Kendal); Leeds (Chaffeys Locks); Norfolk (St. Williams). 1–24 July. CNC, ROM. Known only from the three localities. Rare.

T. testacea Packard. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Dufferin; Durham; Kent; Leeds; Peterborough; Simcoe; Wentworth. 5 June–20 July. AMNH, CNC, ROM.

Genus *Heterogenea* Knoch

H. shurtleffi Packard. 4: Leeds (Chaffeys Locks). 11–28 July. ROM.

Genus *Packardia* Grote and Robinson

P. elegans (Packard). 4: Norfolk; Peterborough. July. CNC, ROM.

P. geminata (Packard). 4: Carleton; Frontenac; Haldimand; Kent; Leeds; Norfolk; Peterborough. 14 June–6 July. CNC, ROM. Rare.

Genus *Lithacodes* Packard

L. fasciola (Herrich-Schäffer). 2: Kenora. 3: Rainy River; Sudbury. 4: Carleton; Durham; Haldimand; Halton; Hastings; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; Wentworth. 23 June–27 July. AMNH, CNC, ROM.

Genus *Apoda* Haworth [= *Limacodes* Berthold]

A. biguttata (Packard). 4: Durham; Hastings; Huron; Leeds; Kent; Lambton; Peel; Wentworth. 23 June–28 July. CNC, ROM.

A. y-inversum Packard. 4: Bruce; Durham; Haldimand; Hastings; Leeds; Kent; Middlesex; Ontario; Peterborough; Wentworth; York. 16 June–24 July. CNC, ROM. Common.

Genus *Prolimacodes* Schaus

P. badia (Hübner) [= *scapha* (Harris)]. 4: Essex; Haldimand; Kent; Norfolk; Peterborough; Welland. July. CNC, ROM.

Tribe Phobetrini

Genus *Phobetron* Hübner

P. pitheciump (J. E. Smith). Hag moth/sorcière. 4: Carleton; Kent; Lambton; Leeds; Lincoln; Norfolk. June–July. CNC, ROM. Known only from a

few specimens from a few localities, mostly along the north shore of Lake Erie but also Chaffeys Locks and Ottawa.

Tribe Eucleini

Genus *Isa* Packard [= *Sisyrosea* Grote]

I. textula (Herrick-Schäffer). 4: Haldimand; Kent; Leeds; Norfolk; Wentworth. Mid July. CNC, ROM. Known from very few specimens from the southernmost part of the region, the north shore of Lake Erie, and Chaffeys Locks.

Genus *Adoneta* Clemens

A. spinuloides (Herrick-Schäffer). 4: Huron; Kent; York. 29 June–10 July. CNC. Known only from a few localities.

Genus *Euclea* Hübner

E. delphinii (Boisduval). 3: Thunder Bay. 4: Bruce; Carleton; Durham; Haldimand; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peel; Peterborough; Simcoe; Welland; Wentworth; York. 19 June–19 August. CNC, McM, ROM, UWO. Last date of capture usually at the end of July: Peel (Port Credit, 25 July); Bruce (Wiarton, 26 July); Chaffeys Locks, Hamilton, and Toronto, 17 July. A partial second generation may occur, e.g., Thunder Bay (Fort William, 19 August).

Superfamily Pyraloidea

Family Pyralidae

Pyralid moths/pyrales.

(Series Crambiformes)

Subfamily Scopariinae

Genus *Gesneria* Hübner

G. centuriella (Denis and Schiffermüller). 2. 3. 4. Subspecies *G. c. caecalis* (Walker).

Genus *Scoparia* Haworth

S. basalis Walker. 4.

S. biplagialis Walker. 3. 4.

S. cinereomedia Dyar. 4.

S. penumbralis Dyar. 4.

Genus *Eudonia* Billberg

E. heterosalis (McDunnough). 4.

E. lugubralis (Walker). 3. 4.

E. strigalis (Dyar). 4.

Subfamily Nymphulinae

Tribe Nymphulini

Genus *Neocataclysta* Lange

N. magnificalis (Hübner). 4.

Genus *Nymphula* Schrank

N. ekthlipsis (Grote). 3. 4.

Genus *Munroessa* Lange

M. faulalis (Walker). 4.

M. gyralis (Hulst). 3. 4. Subspecies *M. g. serralinealis* (Barnes and Benjamin).

M. icciusalis (Walker). 4.

Genus *Paraponyx* Hübner

P. allionealis Walker. 3. 4. Subspecies *P. a. itealis* (Walker).

P. badiusalis (Walker). 3. 4.

P. curviferalis (Walker). 4.

P. maculalis (Clemens). 2. 3. 4.

P. obscuralis (Grote). 4.

Tribe Argyractini

Genus *Petrophila* Guilding

P. bifascialis (Robinson). 4.

P. canadensis (Munroe). 4.

P. fulicalis (Clemens). 4.

Genus *Eoparargyractis* Lange

E. plevie (Dyar). 4.

**Subfamily Odontiinae
Tribe Dichogamini**

Genus *Metrea* Grote

M. ostreonalis Grote. 4.

Genus *Eustixia* Hübner

E. pupula Hübner. 4.

Tribe Odontiini

Genus *Microtheoris* Meyrick

M. ophionalis (Walker). 4. Subspecies *M. o. lacustris* Munroe.

Subfamily Glaphyriinae

Genus *Hellula* Guenée

H. rogatalis (Hulst). Cabbage webworm/tisseuse du chou. 4.

Genus *Nephrogramma* Munroe

N. reniculalis (Zeller). 4.

Genus *Stegea* Munroe

S. eripalis (Grote). 4.

Genus *Abegesta* Munroe

A. reluctalis (Hulst). 4.

Genus *Glaphyria* Hübner

G. glaphyralis (Guenée). 4.

G. sesquistrialis Hübner. 4.

Genus *Aethiophysa* Munroe

A. lentiifualis (Zeller). 4.

Genus *Xanthophysa* Munroe

X. psychialis (Hulst). 4.

Genus *Lipocosma* Lederer

L. sicalis (Walker). 4.

Genus *Lipocosmodes* Munroe

L. fuliginosalis (Fernald). 4.

Genus *Dicymolomia* Zeller

D. julianalis (Walker). 4.

Genus *Chalcoela* Zeller

C. iphitalis (Walker). 4.

C. pegasalis (Walker). 4.

Subfamily Evergestinae

Genus *Evergestis* Hübner

E. pallidata (Hufnagel). 4.

E. unimacula (Grote and Robinson). 4.

Subfamily Pyraustinae

Tribe Pyraustini

Genus *Saucrobotys* Munroe

S. fumoferalis (Hulst). 4.

Genus *Nascia* Curtis

N. acutella (Walker). 3. 4.

Genus *Crocidophora* Lederer

C. serratissimalis Zeller. 4.

C. tuberculalis Lederer. 4.

Genus *Ostrinia* Hübner

O. marginalis (Walker). 4.

O. nubilalis (Hübner). European corn borer/pyrale du maïs. 4.

O. obumbratalis (Lederer). 4.

O. penitalis (Grote). 4.

Genus *Fumibotys* Munroe

F. fumalis (Guenée). 4.

Genus *Perispasta* Zeller

P. caecularis Zeller. 3. 4.

Genus *Eurrhypara* Hübner

E. hortulata (Linné). 4.

Genus *Nealgedonia* Munroe

N. extricalis (Guenée). 3. 4.

Genus *Mutuuraia* Munroe

M. mysippusalis (Walker). 4.

Genus *Anania* Hübner

A. funebris (Ström). 4s: York (Toronto, 1986).

Genus *Hahncappsia* Munroe

H. mancalis (Lederer). 4.

H. marculenta (Grote and Robinson). 4.

H. neoblitralis Capps. 4.

H. pergilvalis (Hulst). 4.

Genus *Achyra* Guenée

A. rantalis (Guenée). 4.

Genus *Helvibotys* Munroe

H. helvialis (Walker). 4s.

Genus *Sitochroa* Hübner

S. chortalis (Grote). 4.

Genus *Uresiphita* Hübner

U. reversalis (Guenée). 4.

Genus *Loxostege* Hübner

L. anartalis (Grote). 2. 3. Subspecies *L. a. lulualis* (Hulst).

L. commixtalis (Walker). Alfalfa webworm/tisseuse de la luzerne. 4.

L. sticticalis (Linné). Beet webworm/tisseuse de la betterave. 4.

Genus *Pyrausta* Schrank

P. bicoloralis (Guenée). 4.

P. fodinalis (Lederer). 2. 3.

P. generosus (Grote and Robinson). 4s.

P. nicalis (Grote). 4.

P. orphisalis Walker. 4.

P. signatalis (Walker). 4.

P. socialis (Grote). 4.

P. subsequalis (Guenée) [= *borealis* Packard]. 2. 3. 4.

P. unifascialis (Packard). 4. Subspecies *P. u. subolivalis* (Packard).

Tribe Spilomelini

Genus *Udea* Guenée

U. inquinatalis (Zeller). 3.

U. itysalis (Walker). 3.

U. rubigalis (Guenée). Greenhouse leaf tier, celery leaf tier/lieuse des serres, lieuse du céleri. 2. 3. 4.

U. sheppardi (McDunnough). 4.

Genus *Lineodes* Guenée

L. integra Zeller. 4s.

Genus *Loxostegopsis* Dyar

L. merrickalis (Barnes and McDunnough). 3. 4.

Genus *Mecyna* Guenée

M. luscitialis Barnes and McDunnough. 4.

M. submedialis (Grote). 4.

Genus *Diacme* Warren

D. adipaloides Grote and Robinson. 4s: Kent (Chatham).

Genus *Nomophila* Hübner

N. nearctica Munroe. Celery stalkworm/pyrale du céleri. 2. 3. 4.

Genus *Desmia* Westwood

D. funeralis (Hübner). Grape leaf roller/plieuse de la vigne. 3. 4.

D. maculalis Westwood. 3. 4.

Genus *Hymenia* Hübner

H. perspectalis (Hübner). 4.

Genus *Spoladea* Guenée

S. recurvalis (Fabricius). 4.

Genus *Diathrausta* Lederer

D. harlequinalis Dyar. 4.

D. reconditalis (Walker). 4.

Genus *Anageshna* Munroe

A. primordialis (Dyar). 4. Subspecies *A. p. vividior* Munroe.

Genus *Blepharomastix* Lederer

B. ranalis (Guenée). 4.

Genus *Diaphania* Hübner

D. hyalinata (Linné). Melonworm/pyrale du melon. 4. Occasional straggler.

Genus *Palpita* Hübner

P. aenescentalis Munroe. 4.
P. arsaltealis (Walker). 3. 4.
P. magniferalis (Walker). 3. 4.
P. quadristigmatis (Guenée). 4s: York (Toronto). Occasional straggler.

Genus *Polygrammodes* Guenée

P. flavidalis (Guenée). 4.

Genus *Pantographha* Lederer

P. limata (Grote and Robinson). Basswood leaf roller/enrouleuse du tilleul. 4.

Genus *Diastictis* Hübner

D. ventralis (Grote and Robinson). 4.

Genus *Framinghamia* Strand

F. helvalis (Walker). 3. 4.

Genus *Herpetogramma* Lederer

H. aeglealis (Walker). 4.
H. pertextalis (Lederer). 3. 4.
H. theseusalis (Walker). 4.
H. thestealis (Walker). 4.

Subfamily Schoenobiinae

Genus *Donacaaula* Meyrick [= *Schoenobius* Duponchel]

D. longirostrella (Clemens). 4.
D. melinella (Clemens). 4. Subspecies *D. m. albicostella* Fernald.

**Subfamily Crambinae
Tribe Ancyloloomiini**

Genus *Prionapteryx* Stephens

P. nebulifera Stephens. 4.

Tribe Crambini

Genus *Crambus* Fabricius

C. agitatellus Clemens. 2: Thunder Bay (Geraldton). 4.
C. albellus Clemens. 2: Thunder Bay (Geraldton). 4.
C. alienellus (Zincken). 2. Subspecies *C. a. labradoriensis* Christoph,
restricted to acid bogs. 4. Subspecies *C. a. dissectus* Grote, uncertain
status.
C. awemellus McDunnough. 2. 4: Lanark (Poland).
C. bidens Zeller. 2: Thunder Bay (Geraldton). 3: Rainy River (One Sided
Lake).
C. caliginosellus Clemens. 4.
C. girardellus Clemens. 2. 3. 4.
C. hamellus (Thunberg). 2. 3.
C. laqueatellus Clemens. 4.
C. leachellus (Zincken). 2: Thunder Bay (Geraldton). 4.
C. luteolellus Clemens. 2: Thunder Bay (Geraldton). 4.
C. lyonsellus Haimbach. 2. Restricted to acid bogs.
C. pascuellus (Linné). 2: Thunder Bay (Geraldton). 3. 4. Subspecies *C. p.
floridus* Zeller.
C. perrellus (Scopoli). 3. 4. Subspecies *C. p. innotatellus* Walker.
C. praefectellus (Zincken). 2: Thunder Bay (Geraldton). 3: Thunder Bay
(Nipigon). 4.
C. unistriatellus Packard. 2. 3. 4.
C. whitmerellus Klots. 3. 4.
C. youngellus Kearfott. 4: Carleton (Mer Bleue Bog, type locality). Restricted
to acid bogs.
C. zeellus Fernald. 4.

Genus *Chrysoteuchia* Hübner

C. toparia (Zeller). 2. 3. 4.

Genus *Arequipa* Walker

A. turbatella Walker. 4.

Genus *Rhaphiptera* Hampson

R. argillaceella (Packard). 4.

Genus *Platytes* Guenée

P. vobisne Dyar. 3: Kenora (Minaki).

Genus *Agriphila* Hübner

A. ruricolella (Zeller). 2. 4.

A. vulgivagella (Clemens). Vagabond crambus/pyrale vagabonde. 4.

Genus *Catoptria* Hübner

C. latiradiella (Walker). 2: Thunder Bay (Geraldton). 3. 4.

Genus *Pediasia* Hübner

P. abnaki (Klots). 3. 4.

P. dorsipunctella (Kearfott). 3.

P. trisecta (Walker). 4.

P. truncatella (Zetterstedt). 2.

Genus *Microcrambus* Bleszynski

M. biguttellus (Forbes). 4.

M. elegans (Clemens). 4.

M. minor (Forbes). 4.

Genus *Fissicrambus* Bleszynski

F. mutabilis Clemens. 4.

Genus *Thaumatopsis* Morrison

T. pexella (Zeller). 4: Muskoka (Rostrevor). Subspecies *T. p. gibsonella* Kearfott (Rostrevor, type locality).

Genus *Parapediasia* Bleszynski

P. teterrella (Zincken). 4.

Tribe Argyriini

Genus *Argyria* Hübner

A. sp. 4s. CNC.

Genus *Urola* Walker

U. nivalis (Drury). 4.

Genus *Vaxi* Bleszynski

V. auratella (Clemens). 3. 4.
V. critica (Forbes). 3. 4.

Tribe Chilini

Genus *Chilo* Zincken

C. plejadellus Zincken. 3. 4.

Genus *Thopeutis* Hübner

T. forbesellus (Fernald). 4.

Genus *Occidentalia* Dyar and Heinrich

O. comptulatalis (Hulst). 4.

Genus *Xubida* Schaus

X. panalope (Dyar). 4.

(Series Pyraliformes)
Subfamily Pyralinae

Genus *Pyralis* Linné

P. costiferalis Walker. 4.
P. disciferalis Dyar. 4.
P. farinalis Linné. 4.

Genus *Aglossa* Latreille

A. caprealis (Hübner). 4.
A. cuprina Zeller. 4.

Genus *Hypsopygia* Hübner

H. costalis (Fabricius). 3. 4.

Genus *Herculia* Walker

H. infimbrialis Dyar. 4: Simcoe.
H. intermedialis (Walker). 4.
H. olinalis (Guenée). 2. 4.
H. thymetusalis (Walker). 3. 4.

Subfamily Chrysauginae

Genus *Acallis* Ragonot

A. alticolalis (Dyar). 4: Carleton (Merivale).

Genus *Galasa* Walker

G. nigrinodis (Zeller). 3.

Genus *Tosale* Walker

T. oviplagalis (Walker). 4.

Genus *Arta* Grote

A. statalis Grote. 4.

Genus *Condylolomia* Grote

C. participalis Grote. 4.

Subfamily Epipaschiinae

Genus *Epipaschia* Clemens

E. superatalis Clemens. 4s: Kent (Chatham).

Genus *Oneida* Hulst

O. lunulalis (Hulst). 4n. 4s.

Genus *Tetralopha* Zeller

T. aplastella (Hulst). 3. 4.
T. asperatella (Clemens). 4.
T. baptisiella Fernald. 4s: Kent (Chatham)

T. expandens (Walker). 4.
T. maritimalis McDunnough. 4.
T. militella Zeller. 4.
T. robustella Zeller. 4.
T. vaccinivora Munroe. 3. 4.

Subfamily Galleriinae
Tribe Galleriini

Genus *Galleria* Fabricius

G. mellonella (Linné). Greater wax moth/teigne des ruches. 4.

Tribe Tirathabini

Genus *Aphomia* Hübner

A. terrenella Zeller. 4.

Genus *Corcyra* Ragonot

C. cephalonica (Stainton). 4. European dried food pest.

Subfamily Phycitinae

Genus *Acrobasis* Zeller

A. amplexella Ragonot. 3. 4.
A. angusella Grote. 4.
A. aurorella Ely. 4.
A. betulella Hulst. Birch tubemaker/pyrale tubicole du bouleau. 2. 3. 4.
A. caryae Grote. 4.
A. caryivorella Ragonot. 4.
A. comptoniella Hulst. 4.
A. demotella Grote. 4.
A. feltella Dyar. 4.
A. indigenella (Zeller). 4.
A. irrubriella Ely. 4.
A. juglandis (LeBaron). Pecan leaf casebearer/pyrale du noyer. 4.
A. kearfottella Dyar. 4.
A. ostryella Ely. 4.
A. palliolella Ragonot. 4; Carleton (Ottawa).

A. rubrifasciella Packard. Alder tubemaker/pyrale tubicole de l'aulne. 4.
A. secundella Ely. 4.
A. stigmella Dyar. 4.
A. sylviella Ely. 4.
A. tricolorella Grote. 4.
A. vaccinii Riley. Cranberry fruitworm/pyrale des atocas. 4n. 4s.

Genus *Myelopsis* Heinrich

M. coniella (Ragonot). 3. 4.
M. subtetricella (Ragonot). 2. 3. 4.

Genus *Apomyelois* Heinrich

A. bistriatella (Hulst). 2. 3. 4.

Genus *Etiella* Zeller

E. zinckenella (Treitschke). 4s: Welland (Port Colborne).

Genus *Glyptocera* Ragonot

G. consobrinella (Zeller). 4.

Genus *Immyrla* Dyar

I. nigrovitella Dyar. 4.

Genus *Oreana* Hulst

O. unicolorella (Hulst). 4.

Genus *Salebriaria* Heinrich

S. engeli (Dyar). 4.
S. tenebrosella (Hulst). 4.

Genus *Ortholepis* Ragonot

O. myricella McDunnough. 3. 4.
O. pasadamia (Dyar). 3. 4.

Genus *Meroptera* Grote

M. abditiva Heinrich. 4.

M. cviatella Dyar. 4.

M. pravella (Grote). Aspen leafroller/enrouleuse du tremble. 2. 3. 4.

Genus *Nephopterix* Hübner

N. basilaris Zeller. 3. 4.

N. carneella Hulst. 2. 3. 4.

N. celtidella (Hulst). 4.

N. fernaldi (Ragonot). 4.

N. subcaesiella (Clemens). 4.

N. subfuscella (Ragonot). 4.

N. vetustella (Dyar). 4.

N. virgatella (Clemens). 4.

Genus *Tlascala* Hulst

T. reductella (Walker). 4.

Genus *Tulsa* Heinrich

T. finitella (Walker). 4.

T. umbripennis (Hulst). 2: Cochrane (Smoky Falls).

Genus *Telethusia* Heinrich

T. ovalis (Packard). 4.

Genus *Pyla* Grote

P. aenigmatica Heinrich. 4.

P. fusca (Haworth). 2. 3. 4.

Genus *Dioryctria* Zeller

D. abietivorella (Grote). Fir coneworm/pyrale des cônes du sapin. 2. 3. 4.

D. banksiella Mutuura, Munroe, and Ross. 2. 3. 4.

D. disclusa Heinrich. 4.

D. reniculelloides Mutuura and Munroe. 4.

D. zimmermani (Grote). Zimmerman pine moth/pyrale des pousses du pin. 4.

Genus *Sarata* Ragonot [= *Megasis* Guenée]

S. caudellella (Dyar). 4n.

Genus *Canarsia* Hulst

C. ulmiarrosorella (Clemens). 4.

Genus *Psorosina* Dyar

P. hammondi (Riley). Appleleaf skeletonizer/squeletteuse du pommier. 4.

Genus *Homoeosoma* Curtis

H. stypticellum Grote. 3. 4.

Genus *Phycitodes* Hampson

P. albatella (Ragonot). 4. Subspecies *P. a. mucidella* (Ragonot).

Genus *Zophodia* Hübner

Z. convolutella (Hübner). Gooseberry fruitworm/pyrale des groseilles. 3. 4.

Genus *Euzophera* Zeller

E. semifuneralis (Walker). 4.

Genus *Eulogia* Heinrich

E. ochrifrontella (Zeller). 3. 4.

Genus *Ephestiodes* Ragonot

E. erythrella Ragonot. 4.

E. infimella Ragonot. 4.

Genus *Moodna* Hulst

M. ostrinella (Clemens). 4.

Genus *Vitula* Ragonot

V. edmandsii (Packard). 4.

Genus *Manhatta* Hulst

M. broweri Heinrich. 4.

Genus *Plodia* Guenée

P. interpunctella (Hübner). Indian meal moth/pyrale indienne de la farine. 4.
Common dried food pest.

Genus *Anagasta* Heinrich

A. kuehniella (Zeller). Mediterranean flour moth/pyrale méditerranéene de la farine. 4. Common dried food pest.

Genus *Ephestia* Guenée

E. elutella (Hübner). Tobacco moth/pyrale du tabac. 4.

Genus *Cadra* Walker

C. cautella (Walker). Almond moth/pyrale des amandes. 4.

C. figulilella (Gregson). 4. Common dried food pest.

Genus *Eurythmia* Ragonot

E. angulella Ely. 3. 4.

Genus *Erelieva* Heinrich

E. parvulella (Ely). 4.

Genus *Coenochroa* Ragonot

C. illibella (Hulst). 4.

Subfamily Peoriinae

Genus *Peoria* Ragonot

P. approximella (Walker). 4.

P. gemmatella (Hulst). 4s: Kent (Chatham).

P. tetradella (Zeller). 4s: Welland (Port Colborne).

Superfamily Thyridoidea
Family Thyrididae
Subfamily Thyridinae

Genus *Thyris* Laspeyres

T. maculata Harris. 4.

T. sepulchralis Guérin-Méneville [= *lugubris* Boisduval]. 4.

Superfamily Pterophoroidea
Family Pterophoridae
Subfamily Platyptiliinae

Genus *Sphenarches* Meyrick

S. ontario (McDunnough). 4: Norfolk (Normandale, type locality).

Genus *Geina* Tutt

G. buscki (McDunnough). 4: Muskoka (Go Home Bay, type locality).

G. periscelidactyla (Fitch). 4: Welland.

G. tenuidactyla (Fitch). 2: Cochrane (Moosonee). 3. 4.

G. n.sp. 4: Carleton (Ottawa); Essex; Haldimand; Hastings; Kent; Middlesex; Norfolk; Oxford; Peterborough; Russell; Victoria; Wellington; Wentworth; York (Toronto). CNC.

Genus *Capperia* Tutt

C. evansi (McDunnough). 3: Cochrane. 4: Bruce; Carleton (Ottawa); Frontenac; Haldimand; Kent; Leeds; Norfolk; Welland; Wellington. CNC.

Genus *Oxyptilus* Zeller

O. delawaricus Zeller. 4: Carleton (Ottawa).

Genus *Trichoptilus* Walsingham

T. lobidactylus (Fitch). 4.

Genus *Platyptilia* Hübner

P. carduidactyla (Riley). 4s: Essex (Point Pelee).
P. pallidactyla (Haworth). 2. 3. 4.
P. tesseradactyla (Linné). 4.

Genus *Amblyptilia* Hübner

A. pica (Walsingham). 4.

Genus *Stenoptilodes* Zimmerman

S. carolina (Kearfott). 4.
S. edwardsii (Fish). 4.

Genus *Stenoptilia* Hübner

S. coloradensis Fernald. 4: Carleton (Ottawa); Hastings. CNC.

Subfamily Pterophorinae

Genus *Adaina* Tutt

A. montana (Walsingham). 4.

Genus *Oidaematophorus* Wallengren

O. cretidactylus (Fitch). 4.
O. elliottii (Fernald). 4.
O. eupatoriæ (Fernald). 4.
O. glenni Cashatt. 4. CNC.
O. homodactylus (Walker). 2. 3. 4.
O. inquinatus Zeller. 4.
O. kellicotti (Fish). 4. CNC.
O. lacteodactylus (Chambers). 4.
O. mathewianus (Zeller). 4.
O. phaceliae McDunnough. 4.
O. stramineus (Walsingham). 4.

Genus *Emmelina* Tutt

E. monodactyla (Linné). 4.

Superfamily Drepanoidea
Family Thyatiridae
Subfamily Thyatirinae
Tribe Habrosynini

Genus *Habrosyne* Hübner

H. gloriosa (Guenée) [= *rectangulata* Ottolengui]. 2: Cochrane. 4: Bruce; Carleton; Haldimand; Manitoulin; Middlesex; Simcoe. 7 June–24 July. AMNH, CNC, ROM, UG. Known from only a few specimens.

H. scripta (Gosse). 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Durham; Frontenac; Haldimand; Hastings; Kent; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Simcoe; Wentworth; York. 22 May–September. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation occurs in late August in western Ontario, and in September in southern Ontario. The species is sympatric with *H. gloriosa*, which is probably often overlooked.

Genus *Pseudothyatira* Grote

P. cymatophoroides (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Peterborough; Renfrew; York. 5 May–30 August. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation may occur.

P. c. form expultrix (Grote). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Wentworth; York. Same flight period as *P. cymatophoroides*. AMNH, Beth, CNC, McM, ROM, UG. In his revision of the thyatirids, Werny (1966) showed *cymatophoroides* and *expultrix* to be different species. Ferguson (1983), however, proved by rearing larvae obtained from eggs laid by a female of the nominate form (*cymatophoroides*) that the progeny of 37 adult moths split 16:21 between *cymatophoroides* and *expultrix*.

Tribe Macrothyatirini

Genus *Euthyatira* Smith

E. pudens (Guenée). 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; York. 2 May–6 June. AMNH, CNC, McM, ROM, UG.

Local and rare, with few specimens in collections. Werny (1966) considered *E. pudens* and *E. p.* form *pennsylvanica* Smith to be distinct species. Ferguson (1983) raises reasonable doubts and for the time being should be followed. The only known locality for form *pennsylvanica* in Ontario is Frontenac (Perth Road, near Kingston).

Family Drepanidae
Subfamily Drepaninae

Genus Drepana Schrank

***D. arcuata* Walker.** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, LEM, McM, ROM, UG, UWO. First generation 2 May (Sudbury Dist.), 12 May (Leeds Co.)–5 July (Nipissing Dist.), 29 July (Algoma Dist.); second generation 1 July (Wentworth Co.), 10 July (Sudbury Dist.)–16 August (Cochrane Dist.), 27 August (York Co.).

***D. bilineata* (Packard).** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Lanark; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, QU, ROM, UG, UWO. First generation 1 May (Carleton Co.), 29 May (Sudbury Dist.)–28 June (York Co.), 14 July (Thunder Bay Dist.); second generation 26 June (Muskoka Dist.), 2 July (Sudbury Dist.)–14 August (York Co.), 21 August (Sudbury Dist.). Live specimens of a partial third generation were caught in Toronto (ROM) as late as 21 August, and even 18 November, 1954. They are indistinguishable from specimens of the spring generation.

Genus Eudeilinea Packard

***E. herminiata* (Guenée).** 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Kent; Middlesex; Norfolk; Simcoe; Victoria; Waterloo; Wentworth. 5 June–22 July. AMNH, Beth, CNC, ROM, UG. The form *biseriata* (Packard) occurs along with the nominate form.



Subfamily Oretinae

Genus *Oreta* Walker

O. rosea (Walker). 2: Cochrane; Kenora, Patricia Portion. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Norfolk; Renfrew; Simcoe; Victoria; Wentworth. AMNH, CNC, McM, ROM, UG. First generation 15 June (Haldimand Co.)–17 July (Carleton Co.); second generation 23 July (Carleton Co.)–18 August (Haldimand Co.). In the boreal forest region, only one generation occurs from 2 July, Smoky Falls (in Cochrane Dist.)–25 July, Vermilion Bay (in Kenora Dist.). The form *irrorata* (Packard) occurs along with the nominate form.

Superfamily Geometroidea

Family Geometridae

Subfamily Archiearinae

See McGuffin (1988).

Genus *Archiearis* Hübner

A. infans (Möschler). 3: Rainy River; Sudbury. 4: Carleton; Halton; Leeds; Nipissing; Ontario; Parry Sound; Peterborough; Simcoe; Wentworth; York. CNC, ROM.

Genus *Leucobrephos* Grote

L. brephoides (Walker). 3: Thunder Bay (Hymers). Known only from this locality. ROM.

Subfamily Oenochrominae

See McGuffin (1988).

Genus *Alsophila* Hübner

A. pometaria (Harris). Fall cankerworm/arpenteuse d'automne. 3: Kenora. 4: Brant; Carleton; Durham; Elgin; Haldimand; Hastings; Lambton; Leeds; Muskoka; Norfolk; Peel; Prince Edward; Simcoe; Victoria; Waterloo; Welland; York. CNC, ROM.

Subfamily Geometrinae

See Ferguson (1969); and McGuffin (1988).

Tribe Nemoriini

Genus *Nemoria* Hübner

***N. bistriaria* Hübner.** 3: Sudbury. 4: Carleton; Hastings; Leeds; Renfrew. CNC, ROM. Subspecies *N. b. rubromarginaria* (Packard).

***N. mimosaria* (Guenée).** 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Haliburton; Hastings; Leeds; Nipissing; Parry Sound; Russell; Simcoe; Victoria; Welland; York. CNC, ROM.

***N. rubrifrontaria* (Packard).** 2: Cochrane. 3: Sudbury. 4: Carleton; Leeds; Muskoka; Simcoe; Victoria; York. CNC, ROM.

Genus *Dichorda* Warren

***D. iridaria* (Guenée).** 4: Essex; Hastings; Leeds; Renfrew; Welland. CNC, ROM.

Tribe Synchlorini

Genus *Synchlora* Guenée

***S. aerata* (Fabricius) [= *liquoraria* Guenée].** 2: Thunder Bay. 3: Kenora; Rainy River; Thunder Bay. 4: Bruce; Carleton; Essex; Hastings; Leeds; Lincoln; Muskoka; Norfolk; Simcoe; Welland; York. AMNH, CNC, ROM. Subspecific status uncertain.

Tribe Hemitheini

Genus *Chlorochlamys* Hulst

***C. chloroleucaria* (Guenée).** 3: Rainy River; Sudbury. 4: Bruce; Carleton; Essex; Haldimand; Hastings; Leeds; Norfolk; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Hethemia* Ferguson

***H. pistasciaria* (Guenée).** 3: Algoma. 4: Carleton; Essex; Haldimand; Leeds. AMNH, CNC, ROM.

Genus *Mesothea* Warren

***M. incertata* (Walker).** 3: Cochrane; Thunder Bay. 4: Carleton; Haliburton; Leeds; Middlesex; Parry Sound. AMNH, CNC, ROM.

Subfamily Sterrhinae
See McGuffin (1967).

Tribe Sterrhini

Genus *Idaea* Treitschke [= *Sterrha* Hübner]

I. demissaria (Hübner). 3: Sudbury. 4: Frontenac; Haldimand; Hastings; Huron; Lincoln; Peterborough. AMNH, CNC, ROM.

I. dimidiata (Hufnagel). 4: Carleton. CNC.

I. rotundopennata (Packard). 2: Kenora. 4: Frontenac; Hastings; Muskoka. CNC, ROM.

I. violacea (Walker). 4: Lambton (*teste* Schweitzer).

Tribe Cosymbiini

Genus *Pleuroprucha* Möschler

P. insulsaria (Guenée). 3: Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Leeds; Norfolk; Peterborough; York. AMNH, CNC, ROM.

Genus *Cyclophora* Hübner

C. pendulinaria (Guenée). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grenville; Haldimand; Hastings; Leeds; Muskoka; Nipissing; Parry Sound; Peterborough; Renfrew; Simcoe; York. AMNH, CNC, ROM.

Tribe Timandrini

Genus *Haematopis* Hübner

H. grataria (Fabricius). 4: Bruce; Carleton; Essex; Frontenac; Grenville; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Tribe Scopulini

Genus *Scopula* Schrank

S. ancellata (Hulst). 2: Thunder Bay (Geraldton). 3: Cochrane (Low Bush); Thunder Bay (Black Sturgeon Lake). AMNH, CNC, ROM.

S. cacuminaria (Morrison). 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Victoria; Welland; York. AMNH, CNC, ROM.

S. frigidaria (Möschler). 2: Cochrane (Ogoki Post). CNC. *S. inductata* (Guenée). 2: Cochrane. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Muskoka; Norfolk; Ontario; Peel; Waterloo; Welland; Wentworth; York. AMNH, CNC, ROM.

S. junctaria (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Renfrew; Victoria; York. AMNH, CNC, ROM.

S. limboundata (Haworth). 2: Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Muskoka; Norfolk; Peterborough; Renfrew; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

S. purata (Guenée). 4s.

S. quadrilineata (Packard). 2: Thunder Bay. 4: Carleton; Frontenac; Hastings; Parry Sound; Victoria; Wentworth. AMNH, CNC.

Genus *Leptostales* Möschler [= *Xystrota* Hulst]

L. ferruminaria (Zeller). 4: Carleton; Frontenac; Hastings; Leeds; Victoria. AMNH, CNC, ROM.

Subfamily Larentiinae

Tribe Hydriomenini

Genus *Dysstroma* Hübner

D. citrata (Linné). 2: Cochrane (Ogoki Post). 3: Thunder Bay (South Neebing Twp.). 4: Haldimand; Nipissing; Ontario; Peterborough; York. CNC, ROM.

D. hersiliata (Guenée). 2: Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Norfolk; Peterborough; Welland; Wentworth; York.

AMNH, CNC, ROM. Subspecies *D. h. cervinifascia* (Walker); *D. h. manitoba* McDunnough.

***D. truncata* (Hufnagel).** 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Hastings; Middlesex; Nipissing; Peterborough. AMNH, CNC, ROM.
D. sp. 2: Thunder Bay (Geraldton). AMNH.

Genus *Eulithis* Hübner [= *Lygris* Hübner]

***E. destinata* (Möschler).** 2: Cochrane; Thunder Bay. AMNH, CNC.

***E. diversilineata* (Hübner).** Grapevine looper/arpenteuse de la vigne. 3: Thunder Bay. 4: Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Muskoka; Peterborough; Wentworth; York. AMNH, CNC, ROM.

***E. explanata* (Walker).** 2: Cochrane; Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Muskoka; Nipissing; Peterborough. AMNH, CNC, ROM.

***E. gracilineata* (Guenée).** 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Nipissing; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM

***E. molliculata* (Walker).** 4: Bruce; Haldimand; Lincoln; Middlesex; Simcoe. CNC, ROM.

***E. propulsata* (Walker).** 2: Cochrane; Kenora. 3: Rainy River. 4: Carleton; Durham. CNC, ROM.

***E. serrataria* (Barnes and McDunnough).** 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Peterborough. AMNH, CNC, ROM.

***E. testata* (Linné).** 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Wentworth; York. AMNH, CNC, ROM.

Genus *Eustroma* Hübner

***E. semiatrata* (Hulst).** 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming; Thunder Bay. 4: Frontenac; Norfolk. AMNH, CNC.

Genus *Ecliptoptera* Warren [= *Diactinia* Warren]

***E. silacea* (Denis and Schiffermüller).** 2: Cochrane. 3: Thunder Bay; Timiskaming. 4: Halton; Hastings; Leeds; Peel; Peterborough; York. CNC, ROM. Subspecies *E. s. albolineata* (Packard).

Genus *Plemyria* Hübner

***P. georgii* Hulst.** 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Peterborough. CNC, ROM.

Genus *Thera* Stephens

T. contractata (Packard). 3: Sudbury. 4: Frontenac; Leeds; Manitoulin; Muskoka. CNC.

T. juniperata (Linné). 4: Frontenac; Haldimand; Leeds; York. AMNH, CNC, ROM.

Genus *Hydriomena* Hübner

H. divisaria (Walker). Transverse-banded looper/arpenteuse à bandes transversales. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Lanark; Leeds; Nipissing; Renfrew; Victoria. AMNH, CNC.

H. furcata (Thunberg). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. AMNH, CNC.

H. perfecta Swett. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. AMNH, CNC.

H. renunciata (Walker). 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Essex; Frontenac; Hastings; Leeds; Muskoka; Nipissing; Parry Sound; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

H. ruberata (Freyer). 3: Sudbury. 4: Carleton; Hastings; Middlesex; Parry Sound. AMNH, CNC, ROM.

H. transfigurata Swett. 3: Thunder Bay (Black Sturgeon Lake). CNC.

Genus *Triphosa* Stephens

T. haesitata (Guenée). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe; York. AMNH, CNC, ROM. Subspecies *T. h. affirmaria* (Walker).

Genus *Coryphista* Hulst

C. meadii (Packard). 4: Carleton; Essex; Frontenac; Hastings; Leeds; Peterborough; Wentworth; York. CNC. Subspecies *C. m. atlantica* Munroe.

Genus *Hydria* Hübner

H. undulata (Linné). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Algoma; Carleton; Essex; Frontenac; Haliburton; Hastings; Huron; Leeds; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Rheumaptera* Hübner

R. hastata (Linné). Birch looper/arpenteuse noire du bouleau. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Haldimand; Haliburton; Hastings; Leeds; Nipissing; Norfolk; Ontario; Wentworth; York. AMNH, CNC, ROM.

R. subhastata (Nolcken). 2: Cochrane. 4: Parry Sound. CNC. Subspecies *R. s. stygiata* McDunnough.

Genus *Entephria* Hübner [= *Dasyuris* auct.]

E. aurata (Packard). 2: Thunder Bay. 4: Carleton; Peterborough. AMNH, CNC, ROM.

E. polata (Duponchel). 1: Kenora, Patricia Portion (Cape Henrietta Maria). ROM. Subspecies not ascertained; subspecies *E. p. bradorata* (Munroe).

Genus *Mesoleuca* Hübner

M. ruficillata (Guenée). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Simcoe; York. AMNH, CNC, ROM.

Genus *Spargania* Guenée

S. luctuata (Denis and Schiffermüller). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton. AMNH, CNC, ROM. Subspecies *S. l. obductata* (Möschler).

S. magnoliata Guenée. 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Thunder Bay. 3: Sudbury. 4: Carleton; Dufferin; Durham; Frontenac; Hastings; Middlesex; Muskoka; Parry Sound; Wentworth. AMNH, CNC, ROM.

Genus *Perizoma* Hübner

P. basaliatum (Walker). 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Carleton; Dufferin; Hastings; Leeds. AMNH, CNC, ROM.

Genus *Anticlea* Stephens [= *Earophila* Gumpenberg]

A. multiferata (Walker). 2: Cochrane; Thunder Bay. 3: Algoma. 4: Carleton; Durham; Haldimand; Hastings; Kent; Leeds; Middlesex; Norfolk; York. AMNH, CNC, ROM.

A. vasiliata Guenée. 2: Cochrane; Thunder Bay. 3: Algoma; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds. AMNH, CNC, ROM.

Tribe Stamnodini

Genus *Stamnodes* Guenée

S. gibbicostata (Walker). 4: Carleton; Middlesex; Welland. CNC, ROM.

Tribe Xanthorhoini

Genus *Xanthoroe* Hübner

X. abrasaria (Herrich-Schäffer). 2: Cochrane (Moosonee. Ogoki Post. Smoky Falls). 3: Thunder Bay (Black Sturgeon Lake). CNC.

X. algidata (Möschler). 2: Cochrane (Ogoki Post). CNC.

X. ferrugata (Clerk). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Norfolk; Victoria; Wentworth; York. AMNH, CNC, ROM.

X. iduata (Guenée). 2: Cochrane; Kenora. 3: Sudbury; Thunder Bay. 4: Frontenac; Leeds. CNC.

X. labradorensis (Packard) [= *designata* auct.]. 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Ontario; Renfrew; Simcoe; Wentworth; York. AMNH, CNC, ROM.

X. lacustrata (Guenée). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

X. munitata (Hübner). 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. AMNH, CNC, ROM.

X. packardata McDunnough. 2: Cochrane. 3: Rainy River; Thunder Bay. 4: Carleton; Hastings; Norfolk; Parry Sound; Victoria; York. CNC.

Genus *Epirrhoë* Hübner

E. alternata (Müller). 1: Kenora, Patricia Portion (Cape Henrietta Maria). 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Norfolk; York. AMNH, CNC, ROM.

E. sperryi Herbulot. 2: Cochrane (Fort Albany); Thunder Bay (Geraldton). AMNH, ROM.

Genus *Euphyia* Hübner

***E. unangulata* (Haworth).** 2: Cochrane. 3: Rainy River; Sudbury. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Muskoka; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM. Subspecies *E. u. intermediata* (Guenée).

Genus *Orthonama* Hübner [= *Nycterosea* Hulst]

***O. centrostrigaria* (Wollaston).** 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

***O. evansi* (McDunnough).** 4: Hastings; Victoria. CNC.

***O. obstipata* (Fabricius).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Renfrew; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Asthenini

Genus *Hydrelia* Hübner

***H. albifera* (Walker).** 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Haldimand; Hastings; Kent; Middlesex; York. AMNH, CNC, ROM.

***H. condensata* (Walker).** 3: Algoma; Thunder Bay. 4: Carleton; Dufferin; Hastings; Middlesex; Parry Sound; Simcoe; Victoria. AMNH, CNC, ROM.

***H. inornata* (Hulst).** 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Nipissing; Renfrew. CNC.

Genus *Venusia* Curtis

***V. cambrica* Curtis.** 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. AMNH, CNC.

***V. comptaria* (Walker).** 3: Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; York. AMNH, CNC, ROM.

Genus *Trichodezia* Warren

***T. albovittata* (Guenée).** 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Tribe Operophterini

Genus *Epirrita* Hübner

E. autumnata (Borkhausen). 3: Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex. AMNH, CNC, ROM. Subspecies *E. a. henshawi* (Swett).

Genus *Operophtera* Hübner

O. bruceata (Hulst). 2: Thunder Bay. 3: Algoma; Timiskaming. 4: Carleton; Dufferin; Frontenac; Haldimand; Hastings; Leeds; Nipissing; Wellington; York. AMNH, CNC, ROM.

Tribe Eudulini

Genus *Eubaphe* Hübner

E. mendica (Walker). 3: Algoma; Rainy River. 4: Carleton; Dufferin; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Simcoe; York. AMNH, CNC, ROM.

Tribe Eupitheciini

Genus *Horisme* Hübner

H. intestinata (Guenée). 2: Cochrane. 3: Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Simcoe; Welland; York. AMNH, CNC, ROM.

Genus *Eupithecia* Curtis

E. absinthiata (Clark) [= *coagulata* Guenée]. 2: Thunder Bay. 4: Frontenac; Haldimand; York. CNC.

E. affinata Pearsall. 4: Carleton; Hastings; Lanark; Leeds. CNC.

E. albicapitata Packard. 3: Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Parry Sound. CNC.

E. annulata (Hulst). 2: Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Carleton (Lanark Sound). CNC.

E. anticaria Walker. 2: Thunder Bay. 3: Sudbury. AMNH.

E. bowmani Cassino and Swett. 4: Manitoulin. CNC.

E. bradorata McDunnough. 3: Sudbury; Thunder Bay. CNC.

E. cimicifugata Pearsall. 4: Carleton; Hastings. CNC.

E. coloradensis (Hulst). 3: Thunder Bay. 4: Lanark. CNC.

E. columbiata (Dyar). 3: Thunder Bay (Nipigon). 4: Frontenac; Leeds. AMNH, CNC.

E. cretaceata (Packard). 4: Manitoulin. CNC.

E. fletcherata Taylor. 2: Thunder Bay (Geraldton). 4: Frontenac. AMNH.

E. fumosa (Hulst). 4: Carleton; Hastings; Lanark; Simcoe. CNC.

E. gelidata (Möschler). 2: Cochrane. 3: Sudbury. 4: Carleton. CNC.

E. interruptofasciata Packard. 2: Cochrane. 4: Carleton; Bruce; Frontenac; Hastings; Muskoka. CNC.

E. intricata (Zetterstedt). 4: Leeds (Chaffeys Locks). AMNH. Subspecies *E. i. taylorata* Swett.

E. johnstoni McDunnough. 4: Hastings; Lanark. CNC.

E. lariciata Freyer. Fir-needle inchworm/petite arpenteuse du sapin. 3: Thunder Bay (Nipigon). 4: Frontenac. AMNH, CNC.

E. miserulata Grote. 3: Sudbury. 4: Frontenac; Leeds; York. AMNH, CNC.

E. misturata (Hulst). 2: Cochrane. 3: Sudbury. 4: Carleton; Hastings. CNC.

E. mutata Pearsall. 3: Cochrane; Thunder Bay. 4: Carleton; Grey; Lanark; Leeds; Nipissing; Norfolk; Simcoe. CNC.

E. nimbicolor (Hulst). 2: Thunder Bay (Geraldton). 3: Sudbury. AMNH.

E. palpata Packard. Small pine looper/petite arpenteuse du pin. 2: Thunder Bay (Nakina). 3: Rainy River. 4: Carleton; Frontenac; Hastings; Leeds. AMNH, CNC.

E. perfusca (Hulst). 3: Rainy River; Sudbury; Thunder Bay. 4: Frontenac; York. AMNH, CNC. Subspecies *E. p. youngata* Taylor.

E. ravocostaliata Packard. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Frontenac; Leeds. AMNH, CNC.

E. russeliata Swett. 3: Sudbury. 4: Frontenac. AMNH, CNC.

E. satyrata (Hübner). 2: Thunder Bay. 3: Sudbury. 4: Leeds. AMNH, CNC. Subspecies *E. s. fumata* Taylor.

E. sheppardata McDunnough. 3: Sudbury. 4: Carleton. CNC.

E. stratonata Packard. 3: Sudbury (Sudbury). AMNH.

E. subfuscata (Haworth) [= *castigata* (Hübner)]. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Leeds; York. AMNH, CNC.

E. swetti Grossbeck. 4: Carleton; Lanark; Leeds; Peterborough. CNC.

E. tripunctaria Herrich-Schäffer. 3: Thunder Bay. CNC.

Tribe Lobophorini

Genus *Carsia* Hübner

C. sororiata (Hübner). 2: Cochrane. 3: Rainy River. CNC. Subspecies not ascertained.

Genus *Acasis* Duponchel

A. viridata (Packard). 3: Thunder Bay. 4: Carleton. CNC.

Genus *Cladara* Hulst

C. atroliturata (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Middlesex; Muskoka; Peterborough. AMNH, CNC, ROM.

C. limitaria (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Muskoka; Peel; York. AMNH, CNC, ROM.

Genus *Lobophora* Curtis

L. nivigerata Walker. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Halimand; Haliburton; Hastings; Leeds; Muskoka; Norfolk; Peterborough; Wentworth; York. AMNH, CNC, ROM.

Genus *Heterophleps* Herrich-Schäffer

H. refusaria (Walker). 4: Carleton; Durham; Essex; Huron; Middlesex; Norfolk. CNC, ROM.

H. triguttaria Herrich-Schäffer. 4: Carleton; Essex; Frontenac; Hastings; Huron; Leeds; Lincoln; Middlesex; Norfolk; Simcoe; Victoria; York. CNC, ROM.

Genus *Dyspteris* Hübner

D. abortivaria (Herrich-Schäffer). 4: Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Ontario; Peel. CNC, ROM.

Subfamily Ennominae

See McGuffin (1972, 1977, 1981, 1987).

Tribe Abraxini

Genus *Heliomata* Grote and Robinson

H. cycladata Grote and Robinson. 4: Carleton; Halimand; Leeds; Norfolk; Simcoe; Welland; York. AMNH, CNC, ROM.

Genus *Protitame* McDunnough

P. virginalis (Hulst). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Peterborough; Prescott; Simcoe; Wentworth. AMNH, CNC, ROM.

Tribe Semiothisini

See McGuffin (1972).

Genus *Eumacaria* Packard

E. latiferrugata (Walker). 4: Carleton; Leeds; Muskoka; York. CNC, ROM.

Genus *Itame* Hübner

I. abruptata (Walker). 4: Bruce; Muskoka. CNC.

I. anataria (Swett). 2: Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Haldimand; Leeds; Muskoka; Wentworth. AMNH, CNC, ROM.

I. andersoni (Swett). 2: Cochrane; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough. AMNH, CNC, ROM. Subspecies *I. a. orientis* Ferguson.

I. argillacea (Packard). 4: Hastings; Huron; Norfolk. CNC, ROM.

I. bitactata (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Hastings; Nipissing. AMNH, CNC.

I. brunneata (Thunberg). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Leeds. AMNH, CNC.

I. coortaria (Hulst). 4: Durham; Elgin; Essex; Halton; Hastings; Kent; Middlesex; Peterborough; Welland; Wentworth; York. AMNH, CNC, ROM. Subspecies *I. c. enigmata* (Burns and McDunnough).

I. evagaria (Hulst). 4: Frontenac; Lambton; Leeds. CNC, ROM.

I. exauspicata (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Grey; Leeds; Nipissing; Norfolk; Simcoe. AMNH, CNC, ROM.

I. flavigularia (Packard). 4: Huron (Grand Bend). ROM. Only known locality.

I. loricaria (Eversmann). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Hastings; Middlesex; Victoria. AMNH, CNC. Subspecies *I. l. julia* (Hulst).

I. occiduaria (Packard). 4: Huron (Grand Bend); Lambton. CNC. Only known localities.

I. pustularia (Guenée). 3: Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds;

Lennox and Addington; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

I. ribearia (Fitch). Currant spanworm/arpenteuse du groseillier. 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Hastings; Lanark; Leeds; Lennox and Addington; Middlesex; Parry Sound; Peterborough; York. AMNH, CNC, ROM.

I. subcessaria (Walker). 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Lennox and Addington; Middlesex; Muskoka; Peterborough. AMNH, CNC, ROM.

I. sulphurea (Packard). 2: Cochrane; Thunder Bay. 3: Rainy River. 4: Frontenac; Huron; Leeds. AMNH, CNC, ROM.

Genus *Epelis* Hulst [= *Isturgia* auct.]

E. truncataria (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Timiskaming. 4: Carleton; Frontenac; Middlesex; Waterloo; Wellington. AMNH, CNC, ROM.

Genus *Mellilla* Grote

M. xanthometata (Walker). 4: Essex (Pelee Island). CNC. Only known locality.

Genus *Semiothisa* Hübner

S. aemulataria (Walker). 4: Frontenac; Hastings; Leeds; Waterloo; York. CNC, ROM.

S. banksianae Ferguson. 4: Leeds. ROM.

S. bicolorata (Fabricius). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Grey; Leeds; Muskoka; Nipissing; Oxford; Renfrew. AMNH, CNC, ROM.

S. bisignata (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haliburton; Hastings; Leeds; Norfolk; Peterborough; Renfrew; Simcoe; Waterloo; Welland; York. AMNH, CNC, ROM.

S. denticulata Grote. 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Huron. AMNH, CNC, ROM.

S. fissinotata (Walker). 3: Algoma; Sudbury. 4: Bruce; Carleton; Dufferin; Grenville; Grey; Hastings; Leeds; Middlesex; Muskoka; Norfolk; Oxford; Peel; Simcoe; Welland; Wellington; York. AMNH, CNC, ROM.

S. gnophosaria (Guenée). 4: Leeds; Middlesex; Welland; York. AMNH, CNC.

S. hebetata (Hulst). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. AMNH, CNC, ROM.

S. mellistrigata (Grote). 3: Algoma; Rainy River; Sudbury. 4: Carleton; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Welland; Wentworth; York. AMNH, CNC, ROM

S. minorata (Packard). 3: Algoma; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Nipissing; Norfolk; Parry Sound; Renfrew; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

S. neptaria (Guenée). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds. AMNH, CNC.

S. ocellinata (Guenée). 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Norfolk; Northumberland; Prince Edward; Welland; Wentworth; York. AMNH, CNC.

S. orillata (Walker). 2: Cochrane. 3: Algoma; Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Nipissing; Norfolk; York. AMNH, CNC, ROM.

S. oweni (Swett). Owen's green looper / arpenteuse sombre. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Ontario. AMNH, CNC, ROM.

S. pinistrobata Ferguson. 3: Algoma; Rainy River; Sudbury. 4: Carleton; Hastings; Renfrew. CNC.

S. sexmaculata (Packard). Green larch looper / arpenteuse verte du mélèze. 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Brant; Carleton; Frontenac; Haldimand; Hastings; Leeds; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Stormont; York. AMNH, CNC, ROM.

S. signaria (Hübner). 2: Cochrane. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Haldimand; Hastings; Lanark; Leeds; Niagara; Nipissing; Parry Sound; Renfrew; Simcoe. CNC. Subspecies *S. s. dispunctata* (Walker).

S. submarmorata (Walker). 2: Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Haliburton; Hastings; Lanark; Leeds; Nipissing; Simcoe; Welland; York. CNC, ROM.

S. transitaria (Walker). 3: Sudbury. 4: Durham; Leeds; Nipissing. AMNH, ROM.

S. ulsterata (Pearsall). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Welland; York. AMNH, CNC, ROM.

Genus *Enconista* Lederer

E. dislocaria (Packard). 4: Essex (Pelee Island. Point Pelee). CNC, ROM.
Only known localities. Subspecies *E. d. malefactaria* (Barnes and McDunnough).

Tribe Boarmiini

Genus *Orthofidonia* Packard

O. flavivenata (Hulst). 2: Cochrane. 4: Frontenac; Leeds; Middlesex; Muskoka. CNC, ROM.

O. tinctaria (Walker). 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Muskoka; Parry Sound. CNC, ROM.

Genus *Hesperumia* Packard

H. sulphuraria Packard. 3: Sudbury. 4: Carleton; Grenville; Hastings; Leeds; Parry Sound; Peterborough. AMNH, CNC, ROM.

Genus *Ematurga* Lederer

E. amitaria (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Muskoka; Nipissing; Norfolk; Parry Sound. AMNH, CNC, ROM.

Genus *Stenoporpia* McDunnough

S. polygrammaria (Packard). 3: Algoma; Thunder Bay. 4: Frontenac; Kent; Leeds; Muskoka. CNC, ROM.

Genus *Aethalura* McDunnough

A. intertexta (Walker). 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Ontario; Russell; Simcoe; Victoria; York. AMNH, CNC, ROM.

Genus *Anacamptodes* McDunnough

A. ephyraria (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Timiskaming. 4: Carleton; Frontenac; Haliburton; Hastings; Huron; Leeds; Norfolk; Northumberland. AMNH, CNC, ROM.

A. humaria (Guenée). 2: Cochrane. 3: Thunder Bay. 4: Carleton; Huron. AMNH, CNC.

A. vellivolata (Hulst). 3: Rainy River; Sudbury. 4: Carleton; Frontenac; Grey; Huron; Leeds; Nipissing; Norfolk; Ontario; Victoria. AMNH, CNC, ROM.

Genus *Iridopsis* Warren

***I. larvaria* (Guenée).** 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Haliburton; Hastings; Muskoka; Leeds; Parry Sound; Peterborough; Victoria; York. AMNH, CNC, ROM.

Genus *Anavitrinelia* McDunnough

***A. pampinaria* (Guenée).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Huron; Lanark; Leeds; Nipissing; Norfolk; Renfrew; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Cleora* Curtis

***C. projecta* (Walker).** 3: Sudbury; Timiskaming. 4: Carleton; Frontenac. AMNH, CNC.

***C. sublunaria* (Guenée).** 4: Frontenac (Perth Road). CNC. Only known locality.

Genus *Ectropis* Hübner

Saddleback looper/arpenteuse bossue de la pruche.

***E. crepuscularia* (Denis and Schiffermüller).** 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peterborough; Renfrew; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Hypagyrtis* Hübner

See Rindge (1985).

***H. piniata* (Packard).** Pine looper/arpenteuse du pin. 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Renfrew; Wentworth; York. AMNH, CNC, ROM.

***H. unipunctata* Haworth.** 2: Kenora. 3: Sudbury. 4: Frontenac; Grey; Hastings; Leeds; Muskoka; Nipissing; Norfolk; Victoria; York. AMNH, CNC, ROM.

Genus *Protoboarmia* McDunnough

***P. porcelaria* (Guenée).** Dotted line looper/arpenteuse dodue. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Nipissing; Ontario; Simcoe. AMNH, CNC, ROM.

Genus *Epimecis* Hübner

***E. hortaria* (Fabricius).** 4: Kent; Lincoln; Norfolk; Welland. CNC, ROM.

Tribe Melanolophiini See McGuffin (1977).

Genus *Melanolophia* Hulst

***M. canadaria* (Guenée).** 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury. 4: Carleton; Dufferin; Durham; Frontenac; Haliburton; Hastings; Leeds; Middlesex; Norfolk; Ontario; Renfrew; Simcoe; Victoria; York. AMNH, CNC, ROM.

***M. signataria* (Walker).** 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Renfrew. AMNH, CNC, ROM.

Genus *Eufidonia* Packard

***E. convergaria* (Walker).** 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Renfrew; Victoria. CNC.

***E. discospilata* (Walker).** 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Haliburton; Leeds; Parry Sound. AMNH, CNC, ROM.

***E. notataria* (Walker).** 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Dufferin; Frontenac; Haliburton; Hastings; Huron; Leeds; Nipissing; Norfolk; Simcoe; Victoria; Wellington; York. AMNH, CNC, ROM.

Tribe Bistonini

Genus *Biston* Leach

The generic name is of masculine gender.

***B. betularius* (Linné).** Pepper-and-salt moth/arpenteuse du gadelier. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings;

Kent; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM. Subspecies *B. b. cognatarius* (Guenée).

Genus *Lycia* Hübner

L. ursaria (Walker). 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Victoria; Wentworth; York. AMNH, CNC, ROM.

Genus *Phigalia* Duponchel

P. strigataria (Minot). 4: Frontenac; Hastings; Leeds. CNC, ROM.

P. titea (Cramer). 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Ontario; Wentworth; York. AMNH, CNC, ROM.

Genus *Paleacrita* Riley

P. merricata Dyar. 4: Muskoka (Severn Bridge); York (Toronto). CNC, ROM.

P. vernata (Peck). Spring cankerworm/arpenteuse du printemps. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Leeds; Middlesex; Muskoka; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Erannis* Hübner

E. tiliaria (Harris). Linden looper/arpenteuse du tilleul. 2: Cochrane; Thunder Bay. 4: Brant; Carleton; Durham; Essex; Frontenac; Grenville; Grey; Haldimand; Hastings; Leeds; Lincoln; Middlesex; Muskoka; Northumberland; Peterborough; Prince Edward; Waterloo; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Baptini

Genus *Lomographa* Hübner

L. glomeraria (Grote). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Halton; Muskoka. AMNH, CNC, ROM.

L. semiclarata (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haliburton; Halton; Hastings; Leeds; Muskoka; Parry Sound; Simcoe. AMNH, CNC, ROM.

L. vestaliata (Guenée). 2: Kenora, Patricia Portion. 3: Rainy River; Thunder Bay. 4: Brant; Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Leeds; Middlesex; Norfolk; Victoria; York. AMNH, CNC, ROM.

Tribe Caberini

Genus *Cabera* Treitschke

C. borealis (Hulst). 2: Thunder Bay (Longlac). AMNH, ROM.

C. erythemaria Guenée. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Peel; Victoria; Wentworth; York. AMNH, CNC, ROM.

C. variolaria Guenée. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Norfolk; Victoria; Waterloo; Wentworth. AMNH, CNC, ROM.

Genus *Apodrepanulatrix* Rindge

A. liberaria (Walker). 4: Carleton; Leeds; Norfolk; Peterborough; Victoria; York. CNC, ROM.

Genus *Erastria* Hübner [= *Syrrhodia* Hübner]

E. coloraria (Fabricius). 4: Hastings; Huron; Northumberland; York. CNC, ROM.

E. cruentaria (Hübner). 4: Huron; Lambton. CNC.

Tribe Angeronini

Genus *Aspitates* Treitschke

A. orciferarius (Walker). 1: Kenora, Patricia Portion (Fort Severn, 20 July 1940). ROM.

Genus *Lytrosis* Hulst

L. unitaria (Herrich-Schäffer). 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Muskoka; Norfolk. AMNH, CNC, ROM.

Genus *Euchlaena* Hübner

E. effecta (Walker). 3: Sudbury. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

E. irraria (Barnes and McDunnough). 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peterborough; Victoria. AMNH, CNC, ROM.

E. johnsonaria (Fitch). 2: Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Grenville; Haldimand; Hastings; Huron; Leeds; Muskoka; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Welland; York. AMNH, CNC, ROM.

E. madusaria (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton. AMNH, CNC.

E. marginaria (Minot). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Leeds; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; York. AMNH, CNC, ROM.

E. muzaria (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Haldimand; Muskoka; Nipissing; Peel; Simcoe; Wentworth. AMNH, ROM.

E. obtusaria (Hübner). 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Peel; Renfrew; Welland; Wentworth; York. AMNH, CNC, ROM.

E. serrata (Drury). 3: Sudbury. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Huron; Leeds; Lennox and Addington; Middlesex; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

E. tigrinaria (Guenée). 3: Thunder Bay. 4: Carleton; Halton; Nipissing; Renfrew; York. AMNH, CNC, ROM.

Genus *Xanthotype* Warren

X. sospeta (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Leeds; Middlesex; Nipissing; Norfolk; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

X. urticaria Swett. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Leeds; Lennox and Addington; Muskoka; Nipissing; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Tribe Azelinini

Genus *Pero* Herrich-Schäffer

P. honestaria (Walker). 2: Cochrane. 3: Thunder Bay. 4: Bruce; Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

P. hubneraria (Guenée) [= *marmoratus* (Grossbeck)]. 4: Frontenac (Perth Road, P. S. Ward, only two specimens). ROM.

P. morrisonaria (Hy. Edwards). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Simcoe; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Nacophorini

Genus *Nacophora* Hulst

N. mexicanaria (Grote). 4: Nipissing (Algonquin Provincial Park, 12 June 1963, D. Barr, Department of Entomology ROM, caught in a light trap). ROM.

N. quernaria (J. E. Smith). 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Huron; Kent; Lanark; Leeds; Lincoln; Muskoka; Wentworth; York. AMNH, CNC, ROM.

Tribe Campaeini

Genus *Campaea* Lamarck

C. perlata (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Haliburton; Hastings; Huron; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Tribe Ennomini

Genus *Ennomos* Treitschke [= *Deuteronomos* Prout]

The generic name can be of both masculine and feminine genders; however, it was used as feminine in the type species.

***E. magnaria* Guenée.** Maple spanworm/arpenteuse de l'érable. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Victoria; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

***E. subsignaria* (Hübner).** Elm spanworm/arpenteuse de l'orme. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Epirranthini

Genus *Epirranthis* Hübner

***E. substriataria* (Hulst).** 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Muskoka; Northumberland; York. AMNH, CNC, ROM.

Tribe Lithinini

Genus *Petrophora* Hübner

***P. subaequaria* Walker.** 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Victoria; Wentworth; York. AMNH, CNC, ROM.

Genus *Tacparia* Walker

***T. atropunctata* (Packard).** 3: Sudbury. 4: Frontenac; Hastings; Leeds. AMNH, CNC, ROM.

***T. detersata* (Guenée).** 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Muskoka; Nipissing; Peterborough; Victoria; York. AMNH, CNC, ROM.

Genus *Homochlodes* Hulst

***H. fritillaria* (Guenée).** 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Parry Sound; Simcoe; York. AMNH, CNC, ROM.

Genus *Gueneria* Packard

G. similaria (Walker). 4: Carleton; Frontenac; Leeds; Middlesex; Norfolk. AMNH, CNC.

Tribe Anagogini

Genus *Selenia* Hübner

S. alciphearia Walker. 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac. AMNH, CNC.

S. kentaria (Grote and Robinson). 3: Rainy River; Thunder Bay. 4: Carleton; Hastings. CNC.

Genus *Metanema* Guenée

M. determinata Walker. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Haldimand; Hastings; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Welland; York. AMNH, CNC, ROM.

M. inatomaria Guenée. 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Victoria; Welland; Wellington; York. AMNH, CNC, ROM.

Genus *Metarranthis* Warren

See Rupert (1943).

M. amyrisaria (Walker). 4: Carleton (Constance Bay. South March). CNC.

M. apiciaria (Packard). 4: York (Toronto only, 1906 and 1911). ROM.

M. duaria (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Parry Sound; Victoria; Welland; York. AMNH, CNC, ROM.

M. hypochraria (Herrich-Schäffer). 3: Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Northumberland; Ontario; Peel; Simcoe; Victoria; Welland; York. AMNH, CNC, ROM.

M. indeclinata (Walker). 4: Durham; Frontenac; Leeds. AMNH, CNC, ROM.

M. obfirmaria (Hübner). 3: Sudbury. 4: Carleton; Frontenac; Leeds. AMNH, CNC, ROM.

M. refractaria (Guenée). AMNH, not yet segregated in collection.

M. warnerae (Harvey). 2: Cochrane. 3: Sudbury. 4: Carleton; Frontenac; Leeds; Nipissing; Wentworth. AMNH, CNC, ROM.

Genus *Cepphis* Hübner [= *Priocycla* Guenée]

C. armataria (Herrich-Schäffer). 3: Rainy River. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Ontario; Peterborough; York. AMNH, CNC, ROM.

C. decoloraria (Hulst). 4: Hastings; Leeds; Muskoka; Nipissing. CNC, ROM.

Genus *Anagoga* Hübner

A. occiduaria (Walker). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Halton; Leeds; Muskoka; Renfrew. AMNH, CNC, ROM.

Genus *Probole* Herrich-Schäffer

P. alienaria Herrich-Schäffer. 2: Cochrane; Kenora. 3: Thunder Bay. 4: Dufferin; Durham; Frontenac; Leeds; Nipissing; Norfolk; Peel; York. CNC, ROM.

P. amicaria (Herrich-Schäffer). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Haliburton; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Norfolk; Parry Sound. AMNH, CNC, ROM.

P. nyssaria (Guenée). 3: Thunder Bay.

Genus *Plagodis* Hübner

P. alcoolaria (Guenée). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Kent; Lambton; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, ROM.

P. servidaria (Herrich-Schäffer). 4: Peterborough; York (Toronto). ROM.

P. kuetzingi (Grote). 3: Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Middlesex; Peterborough; Simcoe. AMNH, CNC, ROM.

P. phlogosaria (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Halton; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Victoria; Wentworth; York. AMNH, CNC, ROM.

P. serinaria Herrich-Schäffer. 3: Algoma. 4: Carleton; Dufferin; Frontenac; Haldimand; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, ROM.

Tribe Ourapterygini

Genus *Caripeta* Walker

***C. augustiorata* Walker.** Brown pine looper/arpenteuse brune du pin. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Muskoka; Nipissing; Ontario; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. AMNH, CNC, ROM.

***C. divisata* Walker.** Gray spruce looper/arpenteuse grise de l'épinette. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Huron; Leeds; Muskoka; Nipissing; Ontario; Peterborough; Simcoe; Waterloo; York. AMNH, CNC, ROM.

***C. piniata* (Packard).** 3: Algoma; Thunder Bay; Sudbury. 4: Durham; Frontenac; Haldimand; Hastings; Muskoka; Nipissing; Norfolk; Leeds; Peel; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Besma* Capps

***B. endropiaria* (Grote and Robinson).** 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grenville; Huron; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Wentworth. AMNH, ROM.

***B. quercivoraria* (Guenée).** 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Brant; Frontenac; Haliburton; Hastings; Leeds; Norfolk; Renfrew; Wentworth. AMNH, CNC, ROM.

Genus *Lambdina* Capps

***L. fervidaria* (Hübner).** 3: Algoma. 4: Carleton; Parry Sound. CNC.
Subspecies *L. f. athasaria* (Walker).

***L. fiscellaria* (Guenée).** 2: Cochrane; Thunder Bay. 3: Algoma. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Glengarry; Halton; Hastings; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Ontario; Peel; Peterborough; Prescott; Simcoe; Timiskaming; York. AMNH, CNC, ROM.

Tribe Cingiliini

Genus *Cingilia* Walker

***C. catenaria* (Drury).** Chain-spotted geometer/arpenteuse catinaire. 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton;

Frontenac; Haldimand; Leeds; Middlesex; Muskoka; Nipissing; Parry Sound; Peterborough; Wentworth; York. AMNH, CNC, ROM.

Genus *Nepytiia* Hulst

N. canosaria (Walker). False hemlock looper/fausse arpenteuse de la pruche. 2: Cochrane. 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Frontenac; Grey; Haliburton; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Oxford; Parry Sound; Peel; Peterborough; Wentworth; York. AMNH, CNC, ROM.

N. pellucidaria (Packard). 4: Peterborough (Mt. Irwin, Crystal Lake); Renfrew (LaPasse. Ompah); York (Toronto). CNC, ROM.

Genus *Sicya* (Guenée)

S. macularia (Harris). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Peterborough; Renfrew; Simcoe; Welland; York. AMNH, CNC, ROM.

Genus *Eusarca* Hübner [= *Apicia* Guenée]

E. confusaria Hübner. 3: Rainy River. 4: Carleton; Dufferin; Durham; Frontenac; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Tetracis* Guenée

T. cachexiata Guenée. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

T. crocallata Guenée. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Victoria; York. AMNH, CNC, ROM.

Genus *Eugonobapta* Warren

E. nivosaria (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Eutrapela* Hübner [= *Abbottana* Hulst]

***E. clemataria* (J. E. Smith).** 3: Sudbury. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Ontario; Wentworth; York. AMNH, CNC, ROM.

Genus *Prochoerodes* Grote

***P. transversata* (Drury).** Large maple spanworm/arpenteuse transverse de l'érable. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Kenora; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haliburton; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Simcoe; Timiskaming; Victoria; Waterloo; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Antepione* Packard

***A. thisoaria* (Guenée).** 3: Rainy River; Sudbury. 4: Frontenac (Perth Road). CNC, ROM.

Genus *Nematocampa* Guenée

***N. limbata* (Haworth) [= *filamentaria* Guenée].** Horned spanworm/nématocampe. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Peel; Wellington; Wentworth; York. AMNH, CNC, ROM.

Family Epiplemidae

Genus *Callizzia* Packard

***C. amorata* Packard.** 2: Cochrane. 3: Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Peterborough; Simcoe. 2 May–1 August. AMNH, Beth, CNC, ROM. Uncommon and very local.

Genus *Calledapteryx* Grote

***C. dryopterata* Grote.** 4: Carleton (Ottawa); Huron (Grand Bend); Wentworth (Hamilton). CNC, UG. Collected only in a few isolated localities.

Superfamily Mimallonoidea
Family Mimallonidae [= Perophoridae = Lacosomidae]

Genus *Lacosoma* Grote

The generic name is of neuter gender.

***L. chiridotum* Grote.** 4: Kent (Rondeau Provincial Park); Norfolk (St. Williams). 28 June–10 July. CNC, ROM. Known only from the two localities.

Genus *Cicinnus* Blanchard

***C. melsheimeri* (Harris).** 4: Haldimand; Kent; Middlesex; Norfolk; Welland; Wentworth. 6 June–2 July. CNC, ROM, UG. Known only from the north shore of Lake Erie and a few localities more inland.

Superfamily Bombycoidea
Family Apatelodidae
Subfamily Apatelodinae

Genus *Apatelodes* Packard

***A. torrefacta* (J. E. Smith).** 4: Essex (Harrow); Haldimand (Dunnville); Huron (Grand Bend); Kent (Rondeau Provincial Park, 25 July); Lincoln (Queenston); Middlesex (London); Norfolk (Normandale); Welland (Port Colborne, 7 May). CNC, ROM, UWO. Known only from the southernmost part of the region.

Genus *Olceclosteria* Butler

***O. angelica* (Grote).** 4: Frontenac (Glenburnie. Perth Road); Haldimand (Dunnville); Hastings (Belleville. Trenton); Huron (Grand Bend); Kent (Rondeau Provincial Park); Leeds (Chaffeys Locks, 8 June–16 July); Lincoln (Queenston); Norfolk (Normandale); Simcoe. Peak in early July. CNC, QU, ROM. Reared easily on ash. Known from the area immediately north of Lake Erie and Lake Ontario.

Family Lasiocampidae
Subfamily Macromphaliinae

Genus *Tolype* Hübner

***T. laricis* (Fitch).** Larch lappet moth/lasiocampe du mélèze. 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Haldimand; Haliburton; Hastings; Huron; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Stormont; Welland; Wellington; Wentworth; York. 20 July–17 September. Peak in August. AMNH, CNC, LEM, QU, ROM, UG, UWO. Reared on white pine in Chaffeys Locks. The larvae did not feed on fir but did well on spruce and larch. One larva was collected near Chaffeys Locks on hemlock.

***T. notialis* Franclemont.** 4: Kent (Rondeau Provincial Park, 17 August 1959). ROM. Known only from the southwesternmost part of the region. Two male specimens were found in the Park Museum at Rondeau Provincial Park in 1965. One of these specimens is now in the ROM and was dissected; the genitalia correspond to Franclemont's (1973) drawing.

***T. velleda* (Stoll).** Velleda lappet moth/lasiocampe à épaulettes. 4: Brant; Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Parry Sound; Peel; Peterborough; Welland; Wellington; Wentworth; York. 26 August–22 October. AMNH, Beth, CNC, LEM, McM, ROM, UWO. Larvae reared without difficulty on crabapple in Chaffeys Locks.

Subfamily Gastropachinae

Genus *Heteropacha* Harvey

***H. rileyana* Harvey.** 4: Kent (Chatham, 25 May 1931). CNC. Known only from a single specimen caught in a light trap at the Entomology Laboratory in Chatham.

Genus *Phyllodesma* Hübner

The generic name is of neuter gender.

***P. americanum* (Harris).** Lappet moth/papillon à épaulettes. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peterborough; Simcoe; Victoria;

Welland; Wellington; York. 19 April–17 August. AMNH, CNC, LEM, QU, ROM, UG, UWO. Specimens from late July and later in southern Ontario belong to a partial second generation and are redder in colour than the spring specimens. In more northern regions (i.e., Algoma, Cochrane, Rainy River, Sudbury, Thunder Bay) there is only one generation.

Larvae in the south prefer birch, oak, ash, apple, etc.; larvae in the north prefer aspen, poplar, and willow. Larvae from eggs produced by northern females refused foodplants other than those in the poplar complex. Larvae from southern females, however, may take *Populus* sp., but do not grow as fast as when on their usual foodplants.

Subfamily Lasiocampinae
Tribe Malacosomatini

Genus *Malacosoma* Hübner

The generic name is of neuter gender.

***M. americanum* (Fabricius).** Eastern tent caterpillar/livrée d'Amérique. 3: Algoma; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex*; Frontenac; Grenville; Haldimand; Haliburton; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 7 June–23 August. AMNH, Beth, CNC, McM, ROM, UG, UWO.

***M. californicum* (Packard).** Western tent caterpillar/livrée de l'Ouest. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Muskoka; Nipissing. 8 July–3 August. CNC, LEM, ROM. Known from the region west of Lake Superior and east throughout the boreal forest, is now also in the northern part of the region east of Lake Superior and extending its range.

***M. disstria* Hübner.** Forest tent caterpillar/livrée des forêts. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Frontenac; Grenville; Haldimand; Haliburton; Kent; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Simcoe; Wellington; York. 16 June–28 August. AMNH, Beth, CNC, McM, QU, ROM, UWO.

Family Saturniidae
See Ferguson (1971, 1972).

Subfamily Citheroniinae

Genus *Eacles* Hübner

***E. imperialis* (Drury).** Imperial moth/papillon impérial. This species is represented in Ontario by two populations considered by Ferguson (1971) to be two subspecies: *E. i. imperialis* proper and *E. i. pini* Michener. As there is a possibility that these two populations might prove to be two different species, we refer to them here under the subspecific names, especially as the pertinent locality records are readily available. In Ontario we have also a sizeable area in the Parry Sound District where a marked melanism regularly occurs in the population. Ferguson (1971, plate 1, no. 18; plate 2, no. 1) illustrated both melanic forms. He erred, however, when he said that there exist only three melanic specimens; there is an entire series of both forms in the ROM collection and new examples are found every year.

"*E. imperialis imperialis*." 4: Elgin; Essex; Haldimand; Lincoln; Middlesex; Norfolk; Peel; Waterloo; Wellington; Wentworth; York. One specimen cannot be easily assigned to either population—4: Durham (Port Hope).

"*E. imperialis pini*." 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Dufferin; Durham; Frontenac; Haliburton; Hastings; Leeds; Lennox and Addington; Muskoka; Northumberland; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Victoria; York. 7 June–23 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. The exclusive larval foodplant is pine; larvae refused to feed on other trees offered them (W. Plath, Sr., personal comment) in Haldimand (Dunnville). For the foodplant problem see Ferguson (1971:26).

Genus *Sphingicampa* Walsh

***S. bicolor* (Harris).** 4: Brant (Brantford); Essex; Haldimand (Dunnville); Lincoln (St. Catharines); Peel (Bramalea); York (Woodbridge). May–July. ROM. Known only from the few localities above—see Riotte (1964)—and from Huron (Zurich. Grand Bend). See TEA Occasional Publications 1984, 15:56.

Genus *Dryocampa* Harris

***D. rubricunda* (Fabricius).** Green-striped mapleworm/anisote de l'érable. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron;

Kent; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Northumberland; Perth; Renfrew; Simcomont; Welland; Wellington; Wentworth; York. 19 May–27 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur in the field, e.g., Carleton (Ottawa, 5 September 1918, single specimen). Reared larvae regularly yield a partial second generation.

Specimens taken north of Muskoka usually show no yellow-cream colour and only a little pink on the wings; often they are pure white. Specimens from the north shores of Lakes Erie and Ontario may show intensive colouring, appearing along with more or less lightly coloured ones from the same area. In rearing experiments at Chaffeys Locks, we found that the offspring show the same colour pattern as the mother. The exclusive foodplant is maple. Oak leaves were offered to larvae in the laboratory, but they only nibbled on the leaves and refused them completely after a few days.

Genus *Anisota* Hübner

See Riotte and Peigler (1981).

A. finlaysoni Riotte. 4: Durham; Frontenac; Haldimand; Halton; Hastings; Lennox and Addington; Norfolk; Prince Edward; Victoria; Welland; Wentworth. Hastings (Shannonville, type locality). AMNH, CM, CNC, QU, ROM, UWO.

A. senatoria (J. E. Smith). Orange-striped oakworm/anisote sénatoriale. 4: Brant; Essex; Lambton; Middlesex; Oxford; Waterloo; Wellington; Wentworth. 16 May–2 July. CNC, ROM, UWO.

A. stigma (Fabricius). 4: Brant; Lincoln; Middlesex; Norfolk; Welland; Wentworth. 27 June–5 July. Beth, CNC, ROM, UG. Known only from a few localities on the north shore of Lake Erie. A FIDS record, “near North Bay in northern Ontario,” was based on misidentified larvae, which are regarded as belonging to the next species. The identification of the original report of the Forest Insect Survey, Canada, was changed to “*Anisota* sp.” (P. D. Syme, Canadian Forestry Service, Insect Pathology Research Institute, Sault Ste. Marie, in litt.). See also Riotte and Peigler (1981:171).

A. virginiensis (Drury). Pink-striped oakworm/anisote rose du chêne. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Elgin; Essex; Frontenac; Huron; Kent; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Renfrew; York. 5 May–2 August; peak mid May–mid July. Beth, CNC, McM, QU, ROM, UWO.

Subfamily Hemileucinae
Tribe Hemileucini

Genus *Hemileuca* Walker

H. sp. 4: Carleton (Marlborough Twp.); Renfrew (McNab Twp., September). CNC. The species was discovered in autumn of 1977; larval foodplant is *Menyanthes trifoliata* Linné (buckbean). For details see TEA Occasional Publications 1980, 11:9; 1981, 12:36; 1982, 13:18.

Genus *Automeris* Hübner

A. io (Fabricius). Io moth/automeris io. 3: Algoma; Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 22 May–18 August; peak June–mid July. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation occurs as late as September and October in the field (e.g., Rondeau Provincial Park, Toronto, and Ottawa), and from reared larvae. The most frequented foodplants are basswood and birch, although other trees and shrubs are recorded.

Subfamily Saturniinae
Tribe Saturniini

Genus *Antheraea* Hübner

A. polyphemus (Cramer). Polyphemus moth/polyphème. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 13 May–8 August; peak June–mid July. AMNH, Beth, CNC, McM, ROM, UG, UWO. Known throughout the regions extending to 53° north latitude. A partial second generation occurs in the field from early September, e.g., Leeds (Chaffey's Locks), and from reared larvae. The preferred foodplant is birch, especially in more northern latitudes. There are records of larvae feeding on other trees such as maple and basswood.

Genus *Actias* Leach

A. luna (Linné). Luna moth/papillon lune. 2: Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound*; Peel; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 12 May–31 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Known throughout the regions extending to 53° north latitude. Reared larvae regularly yield a partial second generation, but there is no record of a partial second generation in the field. The main foodplant is birch, and basswood is occasionally utilized.

Tribe Attacini

Genus *Samia* Hübner

S. cynthia (Drury). 4: Middlesex (London, June 1903, one male); York (Toronto, 16 June 1936, R. B. Johnston, one female emerged from a pupa collected from among several on an ash tree at 112 Old Foresthill Road; 26 June 1958, G. B. Wiggins, newly emerged female collected at a midtown service station). ROM.

Genus *Callosamia* Packard

C. angulifera (Walker). 4: Kent (Rondeau Provincial Park, 23 June–24 July); Norfolk (Turkey Point, 9 August 1969). ROM. Known from only a few localities on the north shore of Lake Erie where the foodplant still occurs. First reported in 1965 in Rondeau Provincial Park where *Liriodendron* is a common tree.

C. promethea (Drury). Promethea moth/Prométhée. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton*; Hastings; Huron; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Peel; Peterborough*; Renfrew; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. 2 May–10 July. Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur; e.g., Grey (Meaford, 1 August) and Norfolk (Normandale, 11 September). The foodplant is wild cherry (Chaffeys Locks). Larvae may also feed on other trees and shrubs, e.g., at Rondeau Provincial Park. The species does not always have high population densities and it may not be recorded from a certain locality for years until, during one summer, numerous specimens are observed.

In Chaffeys Locks one pair was found in copula on a wild cherry shrub, 16 June 1972, 1600 hrs. Two females were taken at superactinic lights at night, 18–19 June 1972, and one female at incandescent light at night, 21 June 1972, 0430 hrs. The offspring of these females emerged in the laboratory at Chaffeys Locks beginning 2 June 1973, and the newly emerged females attracted numerous wild males through the open window to their cage. The fertilized females were released. No females were caught during the summer of 1973 at lights.

Genus *Hyalophora* Duncan

***H. cecropia* (Linné).** Cecropia moth/samia céécropia. 2: Cochrane; Kenora. 3: Rainy River; Sudbury; Timiskaming. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Northumberland; Parry Sound*; Peel; Renfrew; Simcoe; Wellington; Wentworth; York. 19 May–18 August; peak mid June–mid July. AMNH, Beth, CNC, McM, QU, ROM, UG. Successfully reared in Toronto on lilac, and in Chaffeys Locks on birch and cherry. Larvae collected in Toronto on lilac.

***H. columbia* (S. I. Smith).** 2: Kenora (Vermilion Bay, 22 June 1958, UG). 3: Kenora; Rainy River (Quetico Provincial Park, 1976, Q. Hess. Atikokan. Caliper Lake Provincial Park). 4: Carleton; Frontenac; Grey; Haliburton; Hastings; Middlesex; Muskoka (Fraserburg, 8 June 1968, L. Kohalmi); Nipissing; Parry Sound; Renfrew; Victoria. CM, CNC, ROM, UG. Most specimens represented in CNC emerged from pupae collected by T. N. Freeman in the vicinity of Ottawa. Kohalmi and Moens (1975) published an extensive paper concerning *Hyalophora*, and specimens of this research collection are now deposited in the ROM. The population of *H. columbia* in southern Ontario near London may be extinct. At other places the species seems to have made a comeback after the disaster of the larch sawfly infestations around midcentury.

H. columbia is known to feed only on larch in the east, while the northwestern population feeds on willow, the foodplant of *H. nokomis* (Brodie). A male specimen in the ROM collected at light in Caliper Lake Provincial Park, 11 June 1971, shows exterior characteristics of *H. nokomis*. As Kohalmi and Moens showed that *nokomis* and *columbia* intergrade in northwestern Ontario, specimens from Kenora (Rushing River Provincial Park) should not simply be ascribed to *H. nokomis* (as done in TEA Occasional Publications 1979, 10:70) but should be kept as *H. columbia* (see Kohalmi and Moens, 1975).

Superfamily Sphingoidea
Family Sphingidae
Subfamily Sphinginae
Tribe Sphingini

Genus *Agrius* Hübner

A. cingulatus (Fabricius). 4: Carleton; Essex; Middlesex; Wentworth; York. Mid-end September. Beth, CNC, ROM, UG. A straggler from the south.

Genus *Manduca* Hübner

M. quinquemaculata (Haworth). Tomato hornworm/sphinx de la tomate. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Renfrew; Simcoe; Stormont; Waterloo; Welland; Wellington; Wentworth; York. 13 June–8 October. Beth, CNC, McM, ROM, UG, UWO.

M. sexta (Linné). Tobacco hornworm/sphinx du tabac. 3: Timiskaming. 4: Essex; Kent; Middlesex. CNC, UG. A straggler from the south. Known to breed in Ontario only in the Chatham area since about 1933 (see Miller, 1956).

Genus *Dolba* Walker

D. hyloeus (Drury). 4: Carleton; Frontenac; Grenville; Lennox and Addington; Lincoln; Muskoka; Renfrew. 10–15 July. Beth, CNC, McM, ROM. Known from only a few specimens from very few localities.

Genus *Ceratomia* Harris

C. amyntor (Geyer). 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 30 May–29 July. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation may occur, e.g., Leeds (Chaffeys Locks, late August 1967).

C. catalpae (Boisduval). 4: Essex (Windsor). First known from a FIDS report from Windsor. The original report records as follows: "IX-1-1944, Windsor, 139 Elm Avenue, 500 larvae of *Ceratomia catalpae* on one tree, on *Catalpa* 12' to 15' size, W. R. Lapp, Plant Inspection Officer, 507 Canada Bldg., Windsor. Defoliation not severe as yet. Two trees

examined." However, only a few larvae were taken and none completed development. Recently collected as adult: Essex (Ruthven, 11 July 1981, P. D. Praff, CNC). Also, the Point Pelee Museum has one specimen collected at Point Pelee and another from Essex (Southeast Shoal, 7 September 1985, A. Wormington).

C. undulosa (Walker). Waved sphinx/sphinx ondulé. 2: Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Renfrew; Simcoe; Stormont; Victoria; Welland; Wellington; Wentworth; York. 27 May–7 August. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation may occur: e.g., Haliburton (Minden, 30 August); (Ottawa, 28 August); (Rondeau Provincial Park, 28 August); (Toronto, 5 September). The form *engeli* Chermock and Chermock is known from Haldimand (Dunnville), Welland (Port Colborne), and Rondeau Provincial Park. AMNH, CNC, ROM.

Genus *Peratrea* Grote

P. plebeja (Fabricius). 4s: Wentworth (Caledonia, 25 June 1971, J. T. Troubridge). CNC.

Genus *Sphinx* Linné

S. canadensis Boisduval. 3: Rainy River; Thunder Bay. 4: Brant; Carleton; Frontenac; Haliburton; Leeds; Lennox and Addington; Muskoka; Nipissing; Peterborough; Renfrew; Waterloo; Wentworth. 12 June–12 August. AMNH, CNC, ROM, UG. Common in the Rainy River District, otherwise local and never in large numbers. The larvae are said to feed on ash, not on blueberry (see Clayton, 1938), but refused both in our lab in 1970 and died.

S. chersis (Hübner). Great ash sphinx/sphinx du frêne. 3: Algoma; Rainy River. 4: Brant; Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Haliburton; Hastings; Kent; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 26 May–14 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.

S. drupiferarum J. E. Smith. 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Lanark; Leeds; Muskoka; Nipissing; Northumberland; Ontario; Renfrew; Simcoe; Waterloo; Welland; Wentworth; York. 12 May–31 July. AMNH, Beth, CNC, McM, ROM, UG.

S. eremita (Hübner). Hermit sphinx/sphinx ermite. 4: Carleton; Durham; Essex; Halton; Hastings; Huron; Kent; Lambton; Lincoln; Leeds; Wentworth. 5 June–18 July. CNC, ROM. Known from isolated records but not a straggler.

S. gordius Cramer. Apple sphinx/sphinx du pommier. 4: Haldimand; Kent. June–July. Known only in the southernmost part of southern Ontario (see Riotte, 1980). The species name is a nomen proprium.

S. kalmiae J. E. Smith. Laurel sphinx/sphinx du laurier. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Dufferin; Durham; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Lambton; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Renfrew; Simcoe; Welland; York. 30 May–30 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Late August records may be of a partial second generation.

S. luscitiosa Clemens. 2: Cochrane; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Lambton; Leeds; Lennox and Addington; Middlesex; Renfrew; Wellington; York. 3 June–7 July. AMNH, Beth, CM, CNC, LEM, ROM, UG. The only known species of the genus *Sphinx* extending its range into the Northwest Territories and Yukon. Uncommon. Larvae reared in our laboratory on willow and *Spiraea* sp.

S. poecila Stephens. 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Renfrew; Victoria; Waterloo; York. 24 May–31 July. AMNH, Beth, CM, CNC, FM, McM, QU, ROM, UG. A partial second generation may occur: e.g., (Geraldton, 29 August 1952); (Ottawa, 28 August 1906, two specimens).

The main foodplant is *Myrica gale* Linné and *Spiraea* sp., but species may also occur on birch; in the northern forests they often have been collected by FIDS from *Larix* sp. This species is the most common sphingid in Canada, from the east coast to the eastern slopes of the Rocky Mountains in British Columbia. It also extends south into the United States and flies every year just west of Ontario on the Manitoba and Saskatchewan prairies (very probably also on remnant Wisconsin prairies), at the same time and localities as *Sphinx gordius*, without producing any intermediate hybrids.

Genus *Lapara* Walker

Pine tree sphinx/sphinx du pin. For more information about this genus, see Riotte (1972a); D'Abrera (1986:43).

L. bombycoides Walker. 2: Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Glengarry; Haldimand; Haliburton; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. 23 May–10 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO.

Tribe Smerinthini

Genus *Smerinthus* Latreille

S. cerisyi Kirby. 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Frontenac; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Parry Sound*; Renfrew; Simcoe; York. 18 May–29 July. AMNH, Beth, CM, CNC, McM, ROM, UG, UWO. Widespread and comparatively common in northern Ontario, but only a few records from southern Ontario.

S. jamaicensis (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Hastings; Huron*; Kent; Lambton; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 6 May–7 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur, e.g., Parry Sound (Lake Joseph, 21 August 1947). Most of the specimens are of the form *geminatus* Say. The nominate and *tripartitus* Grote forms are rare.

Genus *Paonias* Hübner

The generic name is of masculine gender.

P. excaecatus (J. E. Smith). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 11 May–17 August. AMNH, Beth, CM, CNC, FM, McM, QU, ROM, UG, UWO.

P. myops (J. E. Smith). 3: Algoma; Cochrane; Rainy River; Sudbury. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand;

Haliburton*; Hastings; Huron; Kent; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound*; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 20 May–29 July. AMNH, CM, CNC, LEM, McM, QU, ROM, UG.

Genus *Amorpha* Hübner [= *Cressonia* Grote and Robinson]

The previously used generic name *Cressonia* Grote and Robinson, 1865, has to be changed to *Amorpha* Hübner, 1809 (see Fletcher and Nye, 1982).

***A. juglandis* (J. E. Smith).** Walnut sphinx/sphinx du noyer. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 26 May–17 July. AMNH, Beth, CM, CNC, McM, QU, ROM, UG. A partial second generation occurs, e.g., Leeds (Chaffeys Locks, 18 August). Larvae feed freely on *Ostryia virginiana* Miller and relatives (*Corylus*, *Carpinus*, *Fagus*) besides the other well known foodplants of the walnut/hickory family, but they refused *Betula*.

The population west of the Nipigon River into Manitoba belongs to what was described as subspecies *A. j. manitobae* B. P. Clark. The foodplant of this population, however, is *Betula*; W. E. Sieker (personal comment) reported larvae in the field feeding on *Betula* in northern Wisconsin. The male genitalia of *manitobae* differ from *Ostryia*-feeding *juglandis*. As Hodges (1971) suggested, the entire group of *juglandis* populations should be intensively studied to determine the specific status of its components. Type species for this *Amorpha* is *Sphinx juglandis* J. E. Smith, designated by Hübner. See also D'Abrera (1986:94).

Genus *Pachysphinx* Rothschild and Jordan

***P. modesta* (Harris).** 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Essex; Durham; Frontenac; Grenville; Haliburton; Haldimand; Hastings; Huron; Kent; Lanark; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound*; Peel; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 23 May–10 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.

Subfamily Macroglossinae
Tribe Dilophonotini

Genus *Erinnyis* Hübner

E. ello (Linné). 4: Essex (Point Pelee, 20 September 1987, A. Wormington, in coll. A.W.); Middlesex (London, 28 September 1886); Wentworth (Hamilton); York (Toronto). ROM, UG. Casual straggler from the south.

E. obscura (Fabricius). 4: Essex (Point Pelee, early October 1988, A. Wormington, in coll. A.W.); Middlesex (London, 1897, UG); Welland (Ridgeway, 6 September 1887, collected on wild *Phlox* sp., UG); York (Toronto, 1917). ROM. Casual straggler from the south.

Genus *Aellopos* Hübner

A. fadus (Cramer). 4: York (Toronto, two specimens with neither month nor year). CNC. Casual straggler from the south.

A. titan (Cramer). 4: Kent (Rondeau Provincial Park, 12 July 1959, Rondeau Park Museum); Lincoln (Grimsby, two worn specimens with neither month nor year). ROM (from the Bethune collection).

Genus *Hemaris* Dalman

H. diffinis (Boisduval). Honeysuckle clear-wing sphinx/sphinx du chèvrefeuille. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Essex; Frontenac; Grenville; Haldimand; Haliburton; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough*; Renfrew; Victoria; Wellington; Wentworth; York. 7 May, Hastings (Marmora)-20 August, York (Rouge Hill); with two overlapping generations. AMNH, CM, CNC, McM, QU, ROM, UG, UWO.

H. gracilis (Grote and Robinson). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Muskoka; Norfolk. 31 May-21 June. AMNH, CNC, ROM. Known mainly from northern Ontario. Very few specimens in collections.

H. thysbe (Fabricius). Hummingbird clear-wing sphinx/sphinx colibri. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peterborough*; Prince Edward; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 14 May-12 August. AMNH, CM, CNC, McM, ROM, UG, UWO.

Tribe Philampelini

Genus *Eumorpha* Hübner

E. achemon (Drury). Achemon sphinx/sphinx d'Achemon. 4: Carleton; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Lambton; Lennox and Addington; Middlesex; Ontario; Perth; Welland; Wentworth; York. 1 July–18 August. CNC, LEM, McM, ROM, UG.

E. fasciata (Sulzer). 4: Essex (Point Pelee, 4 September 1987, A. Wormington, worn specimen, in coll. A.W.).

E. pandora (Hübner). 4: Essex; Frontenac; Grenville; Haldimand; Hastings; Lambton; Leeds; Middlesex; Wentworth; York. 17 June–6 October. CNC, McM, QU, ROM, UG, UWO. This species is uncommon, except near Kingston. A partial second generation occurs, with peak occurrence after mid July.

Tribe Macroglossini

Genus *Sphecodina* Blanchard

S. abbotti (Swainson). 4: Essex; Frontenac; Haldimand; Halton; Huron; Lambton; Lanark; Leeds; Middlesex; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. 5–26 May. AMNH, CNC, LEM, ROM, UG. Local and rare.

Genus *Deidamia* Clemens

D. inscripta (Harris). 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Middlesex; Norfolk; Ontario; Peel; Welland; Waterloo; Wentworth; York. 1 May–17 June. CNC, McM, ROM, UG, UWO.

Genus *Amphion* Hübner

A. floridensis B. P. Clark [= *Sphinx nessus* Cramer, preocc. by *Sphinx nessus* (= *Theretra nessus*) Drury]. 3: Rainy River. 4: Carleton; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Middlesex; Muskoka; Norfolk; Parry Sound*; Peel; Victoria; Welland; Wentworth; York. 24 May–13 July. CM, CNC, McM, ROM, UG, UWO. A partial second generation may occur: e.g., Wentworth (Hamilton, 28 August 1950); York (Rouge Hill, 10 August 1937).

Genus *Proserpinus* Hübner

The generic name *Proserpinus* is derived from the Latin verb *proserpere*, to creep forwards, and is a masculine derivation. The specific name of the type species *proserpina*, however, is the name of a Greek goddess and therefore ends in "a."

***P. flavofasciatus* (Walker).** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 7 June–5 July. AMNH, CM, CNC, Nova Scotia Museum of Science, ROM, United States National Museum of Natural History. Occurs only in the boreal forest region. Rare.

Genus *Darapsa* Walker

***D. myron* (Cramer).** Virginia-creeper sphinx/sphinx de Myron. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Simcoe; Welland; Wellington; Wentworth; York. 5 May–26 July. AMNH, Beth, CM, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur, possibly overlapping. The species appears in two distinct colour forms, the normal dark olive green one, and an ochreous one without any green at all. The latter is known from Haldimand (Dunnville), London, Ottawa, Rondeau Provincial Park, and Toronto.

***D. pholus* (Cramer).** 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Grey; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; Renfrew; Welland; Wellington; Wentworth; York. 18 May–15 August. AMNH, Beth, CM, CNC, McM, ROM, UG.

***D. versicolor* (Harris).** 4: Frontenac; Haldimand; Kent; Lanark; Leeds; Lennox and Addington; Peterborough; Welland; Wentworth; York. 19 June–26 July. CNC, ROM, UG. A partial second generation may occur, e.g., Leeds (Chaffeys Locks, late August 1967). Local and rare; more numerous only in Rondeau Provincial Park and Chaffeys Locks.

Tribe Choerocampini

Genus *Xylophanes* Hübner

***X. tersa* (Linné).** 4: Essex (Arner Stop near Kingsville, 24 September 1987, J. Larson. Point Pelee, 25 August–9 September 1987, A. Wormington, four specimens, in coll. A.W.); Middlesex (London, 12 October 1912, two specimens). ROM. Occasional straggler from the south.

Genus *Hyles* Hübner

***H. euphorbiae* (Linné).** 4: Renfrew (Braeside). Imported from Central Europe and released by the Department of Agriculture for weed control. Apparently now well established.

***H. gallii* (Rottenburg).** Bedstraw hawk-moth/sphinx du gaillet. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Essex; Durham; Haliburton; Hastings; Huron; Middlesex; Muskoka; Nipissing; Northumberland; Welland; Wellington; Wentworth; York. 30 May–15 August. AMNH, Beth, CM, CNC, McM, ROM, UG. A partial second generation is known (e.g., Geraldton) and has also been experimentally demonstrated. The records from southern Ontario are not recent, and the species may now be considered to be northern.

***H. lineata* (Fabricius).** White-lined sphinx/sphinx à lignes blanches. 2: Cochrane; Kenora, Patricia Portion. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Wentworth; York. 12 June–27 September. AMNH, Beth, CNC, McM, ROM, UG. A straggler all over Ontario; it is not known whether this species breeds in the southern part of the province.

Superfamily Noctuoidea

Family Notodontidae

Systematics of Forbes (1948).

The subfamily Cerurinae is retained at the end of the family.

Subfamily Pygaerinae

Genus *Closteria* Samouelle

***C. albosigma* Fitch.** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Ontario; Peterborough; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 20 May–24 August. AMNH, Beth, CNC, McM, QU, ROM, UG. An overlapping, partial second generation occurs. The two broods show seasonal dimorphism, the first generation being lighter in colour, the second dark to very dark. In the north (Geraldton and northward), however, the first generation is nearly as dark as the second.

C. apicalis (Walker). 2: Algoma; Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Peel; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 6 May–18 July. AMNH, Beth, CNC, LEM, ROM, UG. A partial second generation occurs in the south (12 July–20 August).

C. brucei (Hy. Edwards). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming. 4: Muskoka. 30 May–10 July. AMNH, CNC, ROM. Rare, restricted to the boreal, and more northern part of the mixed, forest regions except for the surprising finds in Muskoka District. Three AMNH specimens from the Buchholz collection labelled “Toronto” and “Charlton” with no year, but the same date, are suspect. All three show the same colour, which differs somewhat from that of *C. brucei* from Sudbury and Geraldton. *C. brucei* is otherwise known only from northern Ontario. See the remark under *Parasemia plantaginis*.

C. inclusa (Hübner). 4: Brant; Essex; Huron; Kent; Lambton; Norfolk; Welland. 22 May–11 June. CNC, ROM, UG.

C. strigosa (Grote). 2: Thunder Bay. 3: Algoma; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Huron; Leeds; Nipissing; Simcoe. 20 May–10 July. CNC, QU, ROM. A partial second generation occurs in the south: Haldimand (Dunnville, 3 August); Huron (Grand Bend, 9 August).

Subfamily Phalerinae

Genus *Datana* Walker

D. angusii Grote and Robinson. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Lincoln; Middlesex; Norfolk; Peterborough; Welland; York. 3 May–27 July. CNC, ROM. A partial second generation occurs: Leeds (Chaffeys Locks, 15 August); Middlesex (Coldstream, 24 August). The remark in Prentice (1962), “distribution limited to the north shore of Lake Erie in southern Ontario,” is no longer valid.

D. contracta Walker. 4: Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Middlesex; Muskoka; Wellington; York. 22 June–21 July. AMNH, CNC, ROM, UG. *D. contracta* cannot be easily separated from *D. integerrima* without dissection. It is therefore possible that the records of *D. integerrima* include some of *D. contracta*, especially on the north shore of Lake Erie.

D. drexelii Hy. Edwards. 4: Bruce; Norfolk; Welland; Wentworth; York. 28 May–31 July. CNC, McM, ROM, UG.

D. integerrima Grote and Robinson. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Norfolk; Ontario; Peterborough; Simcoe; Welland;

Wentworth. 21 May–26 July. AMNH, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur in August.

D. major Grote and Robinson. 4: Norfolk (St. Williams, 1973, Walter Plath, Jr., only larvae found).

D. ministra (Drury). 2: Kenora. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. 7 May–9 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation occurs in the south at the end of July and in early August. The species is comparatively common in Ontario.

D. perspicua Grote and Robinson. 4: Brant; Bruce; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Muskoka; Simcoe; Wentworth. 11 July–12 August. AMNH, CNC, McM, ROM, UG. Larvae reared on *Rhus* species.

Subfamily Notodontinae Tribe Notodontini

Genus *Nadata* Walker

N. gibbosa (J. E. Smith). Green oak caterpillar/chenille verte du chêne. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. 3 June–30 July. AMNH, CNC, McM, QU, ROM, UG. A partial second generation occurs in August (experimentally proven in Geraldton and Chaffey's Locks). A full second generation was observed in Rondeau Provincial Park.

Genus *Hyperaeschra* Butler

H. georgica (Herrich-Schäffer). 3: Rainy River. 4: Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Simcoe; Welland; York. 26 May–22 July. CNC, McM, ROM, UG.

Genus *Peridea* Stephens

P. angulosa (J. E. Smith). 3: Rainy River; Sudbury. 4: Brant; Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Muskoka; Norfolk; Peel; Peterborough; Simcoe; Waterloo; York. AMNH, CNC, McM, QU, ROM, UG. The earliest known date

of appearance is 7 June (Toronto). The first generation appears to intermix with a partial second generation: Leeds (Chaffeys Locks, 18 August).

P. basitriens (Walker). 3: Algoma. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. 4 June–5 August. CNC, McM, ROM. The larvae, reared from eggs, were positively associated with this species for the first time in summer 1966 (Riotte, 1969).

P. ferruginea (Packard). 2: Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. AMNH, CNC, McM, ROM, UG. The earliest known date of appearance is 16 May (Toronto, 1896), and the next earliest date recorded is 3 June (Ottawa). The latest date is the same as in *P. angulosa*: Leeds (Chaffeys Locks, 16 August); Thunder Bay (Neebing Twp., 20 August).

Genus *Pheosia* Hübner

P. rimosa Packard. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 8 May–28 July. AMNH, Beth, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 16 September (Ottawa).

Genus *Odontosia* Hübner

O. elegans (Strecker). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Victoria; Wentworth. 4 June–27 July. AMNH, CNC, McM, ROM. A partial second generation occurs: Leeds (Chaffeys Locks, 13 August).

Genus *Notodonta* Ochsenheimer

N. scitipennis Walker [= *stragula* Grote]. 2: Cochrane; Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe;

Wellington; Wentworth; York. 3 May–29 July. AMNH, Beth, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 17 August (Ottawa).

N. simplaria Graef. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Huron; Leeds; Muskoka; Simcoe; York. 28 May–31 July. AMNH, CNC, ROM. A rare partial second generation occurs: Durham (Kendal, 4 September).

Genus *Nerice* Walker

N. bidentata Walker. 3: Timiskaming. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Welland; Wentworth; York. 2 May–4 September. A partial overlapping second generation occurs.

Genus *Ellida* Grote

E. caniplaga (Walker). 3: Rainy River. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Peterborough; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 18 May–27 July. AMNH, CNC, ROM, UG. A partial second generation occurs: Leeds (Chaffeys Locks, 16 August).

Tribe *Gluphisiini*

Genus *Gluphisia* Boisduval

G. avimacula Hudson. 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haliburton; Leeds; Muskoka; Nipissing; Renfrew; Simcoe. 13 May–20 June. AMNH, CNC, McM, ROM. The form *slossoniae* Packard may occasionally be found (CNC).

G. lintneri (Grote). 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Frontenac; Halton; Hastings; Muskoka; Simcoe. 20 April–12 May. CNC, ROM.

G. septentrionis Walker. 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 29 May–31 July. AMNH, Beth, CNC, LEM, McM, ROM, UG, UWO. A partial second generation occurs in late July and August in southern Ontario, and in mid August in northern Ontario.

Tribe Nystaleini

Genus *Symmerista* Hübner

S. albifrons (J. E. Smith). Red-humped oakworm/chenille à bosse rouge de chêne. 4: Hastings; Leeds; Middlesex; York. 7 June–30 July. CNC, ROM, UG, UWO.

S. canicosta Franclemont. 3: Algoma; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Leeds; Muskoka; Nipissing; Norfolk; Renfrew; Russell; Simcoe; Welland. 4 June–14 July. CNC, ROM, UWO. Forbes (1948:223) interchanged the numbers of the aedoeagi of *leucitys* and *canicosta*.

S. leucitys Franclemont. Orange-humped mapleworm/chenille à bosse orangée. 3: Algoma. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Perth; Peterborough; Simcoe; Waterloo; Welland; York. 6 June–6 July. CNC, McM, QU, ROM. A partial second generation occurs (Rondeau Provincial Park, 24 August).

Genus *Dasylophia* Packard

D. anguina (J. E. Smith). 3: Rainy River; Thunder Bay. 25 June–27 July. CNC, ROM. This species only enters into westernmost Ontario.

D. thyatiroides (Walker). 4: Carleton; Durham; Frontenac; Haldimand; Huron; Kent; Leeds; Middlesex; Muskoka; Nipissing; Welland; Wentworth; York. 6 June–9 August. CNC, McM, ROM, UG. Pale specimens have been collected from Algonquin Provincial Park, Middlesex (Coldstream), London, Ottawa, Niagara (Ridgeway), and Toronto; dark (melanic) specimens have been collected in Chaffey's Locks, Haldimand (Dunnville), Huron (Grand Bend), Hamilton, Welland (Port Colborne), and Rondeau Provincial Park.

Tribe Heterocampini

Genus *Misogada* Harvey

M. unicolor (Packard). 4: Northumberland (Colborne, 6 July 1985, W. J. D. Eberlie). Only known record from Ontario.

Genus *Macrurocampa* Dyar

M. marthesia (Cramer). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Simcoe; Welland; Wentworth; York. 24 May–31

July. AMNH, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 16 August (Chaffeys Locks). McDunnough (1938) called the Rainy River District population subspecies *M. m. manitobensis*. In fresh specimens the conspicuous splashes are orange-brown, and not green as reported by Forbes (1948:235).

Genus *Heterocampa* Doubleday

***H. biundata* Walker.** 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Welland; York. 9 May–7 August. AMNH, CNC, ROM. Uncommon.

***H. guttivitta* (Walker).** Saddled prominent/hétérocamp de l'érable. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Peel; Peterborough; Simcoe; Welland; Waterloo; Wentworth; York. 6 May–11 July. AMNH, Beth, CNC, LEM, McM, ROM, UG, UWO. The melanic form *hugoi* Chermock and Chermock has been collected in Haldimand (Dunville), Norfolk (Normandale), Durham (Orono), Ottawa, Rondeau Provincial Park, and Lincoln (Vineland).

***H. obliqua* Packard.** 3: Sudbury. 4: Durham; Frontenac; Hastings; Huron; Lambton; Leeds; Muskoka; Peel; Peterborough. 23 June–27 July. CNC, ROM.

***H. subrotata* Harvey.** 4: Essex (Pelee Island South, 8 July 1965). ROM. Known only from Pelee Island.

***H. umbrata* Walker.** 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Durham; Frontenac; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Muskoka; Nipissing; Parry Sound; Peterborough; Simcoe; Wentworth; York. 4 June–26 July. AMNH, Beth, CNC, QU, ROM, UG. The Ontario population is often referred to the subspecies *H. u. pulvareta* Grote and Robinson, but it is doubtful that this subspecies has any validity.

Genus *Lochmaeus* Doubleday

***L. bilineatus* (Packard).** Elm prominent/hétérocamp birayée. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Ontario; Peel; Simcoe; Welland; Wellington; York. 6 June–7 August. AMNH, CNC, ROM, UG, UWO. Uncommon. In laboratory cultures, approximately 90% of larvae went into diapause at the end of their development without forming a pupa. Only 10% pupated and released a partial second generation at the end of July. The remainder pupated the following spring.

L. manteo Doubleday. Variable oak leaf caterpillar/hétérocampe du chêne. 3: Algoma; Rainy River. 4: Carleton; Durham; Frontenac; Leeds; Middlesex; Muskoka; Simcoe; Wentworth; York. 2–31 July. AMNH, CNC, ROM, UG. Uncommon.

Genus *Schizura* Doubleday

S. apicalis (Grote and Robinson). 3: Rainy River; Sudbury. 4: Frontenac; Leeds; Muskoka; Peterborough. 3–29 July. AMNH, CNC, ROM. Rare.

S. badia (Packard). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Haldimand; Lambton; Leeds; Middlesex; Muskoka. 26 June–27 July. CNC, ROM, UG. Rare

S. concinna (J. E. Smith). Red-humped caterpillar/chenille à bosse rouge. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Grey; Kent; Leeds; Middlesex; Peterborough; Prince Edward; Simcoe; York. 27 June–6 August. AMNH, CNC, LEM, ROM, UG, UWO. Uncommon.

S. ipomoeae Doubleday. Oak and maple humped caterpillar/chenille bossue du chêne et de l'érable. 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Kent; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Welland; Wentworth; York. 8 June–9 August. A partial second generation may occur in early September, in Sault Ste. Marie and Welland (Port Colborne). The form *cinerœfrons* (Packard) occurs together with the typical form, but is uncommon.

S. leptinoides (Grote). 2: Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Grey; Haldimand; Halton; Kent; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Peterborough; Wentworth; York. 3 June–27 July. AMNH, CNC, LEM, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is in September (Toronto).

S. unicornis (J. E. Smith). Unicorn caterpillar/chenille licorne. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wellington; Wentworth; York. 25 May–20 August. A partial overlapping second generation occurs in southern Ontario with many specimens collected in August.

Genus *Oligocentria* Herrich-Schäffer

O. lignicolor (Walker). 3: Algoma; Kenora; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; York. 4 June–14

July. AMNH, Beth, CNC, LEM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 18 August in Algoma (Echo Lake).

O. semirufescens (Walker). 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Wentworth; York. 14 June–6 August. AMNH, CNC, McM, ROM, UG, UWO. A partial overlapping second generation occurs. The latest known date of occurrence is 4 September in Thunder Bay (Neebing Twp.). This species has a tendency to produce melanic specimens in the deciduous forest region, light-coloured specimens with strong, dull red shading in the northern part of the eastern mixed forest region, and a more uniformly gray form in the mixed forest region west of Lake Superior.

Genus *Hyparpax* Hübner

H. aurora (J. E. Smith). 4: Huron (Grand Bend, 17 June 1936); Kent (Rondeau Provincial Park, 11 July 1965). CNC, ROM. Only two specimens are known from Ontario.

Subfamily Cerurinae

Genus *Furcula* Lamarck

F. borealis (Guérin-Méneville). 3: Thunder Bay (Pukaskwa National Park). 4: Durham; Frontenac; Haldimand; Kent; Leeds; Middlesex; Muskoka; Northumberland; Peterborough; Renfrew; York. 15 June–3 August. Beth, CNC, ROM, UG. Rare in Ontario with few specimens in collections.

F. cinerea (Walker). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Victoria; Welland; Wentworth; York. 27 May–29 July. AMNH, Beth, CNC, LEM, McM, ROM. A partial overlapping second generation occurs. The latest known date of occurrence is 13 August in Haldimand (Dunnville).

F. modesta (Hudson). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Victoria; Wentworth; York. 21 May–31 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 5 September (Toronto).

F. occidentalis (Lintner). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Simcoe; Welland; Wellington; Wentworth; York. 19 May–29 July. AMNH, Beth, CNC, LEM, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 22 August (Toronto).

F. scolopendrina (Boisduval). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Hastings; Muskoka. 2 June–27 July. AMNH, CNC, ROM. The Ontario population is often referred to subspecies *F. s. aquilonaris* (Lintner), which may be specifically distinct from *F. scolopendrina*. It is decidedly distinct and easily separable (even when greasy) from *F. modesta*, with a later flight period than *F. modesta* and apparently only one generation. It is almost exclusively northern and most numerous in the mixed forest region west of Lake Superior, e.g., in Thunder Bay (Neebing Twp.).

Genus *Cerura* Schrank

C. scitiscrima Walker. 2: Kenora. 3: Rainy River; Sudbury. 4: Carleton; Durham; Halton; Lambton; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; Waterloo; Wellington*; Wentworth. 3–28 June. CNC, ROM. Known only from isolated localities. Subspecies *C. s. canadensis* McDunnough; *C. s. multiscricta* Riley.

Family Arctiidae Subfamily Lithosiinae Tribe Lithosiini

Genus *Eilema* Hübner [= *Lexis* auct.]

E. bicolor (Grote). Smoky moth/lexis bicolor. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Simcoe. 3 July–23 August. AMNH, CNC, ROM, UG. The statement by McGugan (1958), “The absence of records north of Lake Superior . . . should be noted,” is no longer valid.

Genus *Crambidia* Packard

C. casta (Packard). 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Leeds; Muskoka; Nipissing. 15 August–4 September. CNC, ROM.

C. pallida Packard. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Huron; Lambton; Leeds; Middlesex. 15 July–3 September. AMNH, CNC, ROM, UG.

C. pura Barnes and McDunnough. 4: Frontenac. Glenburnie and Perth Road are the only known localities in Ontario. CNC, ROM. See Riott (1970b).

Genus *Cisthene* Walker

C. plumbea Stretch. 4: Leeds (Chaffeys Locks, 18 July 1967; 13 July 1963); Middlesex (London, 12 August 1886). 13 July–12 August. CNC, ROM, UG. Only these three specimens have adequate data.

Genus *Lycomorpha* Harris

L. pholus (Drury). 2: Kenora; Thunder Bay. 3: Kenora; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Simcoe; Victoria; Wentworth; York. 1 July–7 September. CNC, ROM, UG.

Genus *Hypoprepia* Hübner

H. fucosa Hübner. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Peel; Simcoe; Stormont; Victoria; Welland; Wellington; Wentworth; York. 4 July–22 August. AMNH, Beth, CNC, QU, ROM, UG. The form *plumbea* Hy. Edwards has been collected only in the north.

H. miniata (Kirby). 3: Algoma; Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Renfrew; Simcoe; Victoria; Wellington; Wentworth. 24 June–5 September. AMNH, Beth, CNC, McM, QU, ROM, UG.

Genus *Clemensia* Packard

C. albata Packard. 2: Cochrane; Kenora; Thunder Bay. 3: Kenora; Sudbury; Thunder Bay. 4: Frontenac; Hastings; Leeds; Muskoka; Ontario; Peterborough; Simcoe; Victoria; Wentworth. 8 July–4 August. AMNH, CNC, ROM, UG.

Subfamily Arctiinae
Tribe Callimorphini

Genus *Utetheisa* Hübner

U. bella (Linné). 4: Essex; Middlesex; Muskoka; Simcoe; York. 3 July–26 August. Beth, CNC, McM, ROM.

Genus *Haploa* Hübner

H. clymene (Brown). 4: Haldimand; Kent; Middlesex; Wentworth; York. 24 July–1 August. AMNH, CNC, ROM, UG. Rare.

H. colona (Hübner). 4: Kent (Rondeau Provincial Park, 19 July 1965). ROM. The specimen represents the form *fulvicosta* (Clemens).

H. confusa (Lyman). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Frontenac; Grenville; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peel; Simcoe; Victoria; Wellington; Wentworth; York. 10 June–15 August. AMNH, Beth, CNC, McM, ROM, UG, UWO.

H. contigua (Walker). 4: Carleton; Durham; Frontenac; Halton; Hastings; Kent; Leeds; Muskoka; Peterborough; Simcoe; Victoria; Wentworth; York. 1 July–5 August. CNC, McM, QU, ROM.

H. lecontei (Guérin-Méneville). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Wellington; Wentworth; York. 9 June–17 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG.

H. militaris (Harris). 4s: Essex (Pelee Island); Kent (Rondeau Provincial Park). Early July. ROM. Retained as a species in its own right following Forbes (1960). Only recorded in southernmost Ontario.

H. reversa (Stretch). 4: Lambton. CNC, ROM. Pinery Provincial Park and Grand Bend are the only known localities.

Tribe Arctiini

Genus *Holomelina* Herrich-Schäffer

H. aurantiaca (Hübner). 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Huron; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. 7 June–21 August. AMNH, Beth, CNC, McM,

ROM, UG. A partial second generation may occur: Wentworth (Ancaster, 2 September); Essex (Point Pelee, 14 September).

***H. ferruginosa* (Walker).** 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Victoria; Welland; Wentworth; York. 1 June–18 August. AMNH, Beth, LEM, McM, ROM, UG.

***H. laeta* (Guérin-Méneville).** 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Hastings; Middlesex; Muskoka; Nipissing; Parry Sound; Simcoe. 2 June–2 August. AMNH, CNC, ROM, UG. Subspecies *H. l. treatii* (Grote).

***H. lamae* (T. N. Freeman).** 2: Thunder Bay (Geraldton). 3: Rainy River (One Sided Lake). 6–23 July. AMNH, ROM. Known only from bog areas around Lake Superior and Lake Nipigon, with only two specimens in collections.

***H. opella* (Grote).** 4: Kent; Leeds; Peterborough. 19 May–18 July. CNC, ROM. Recorded only in southernmost Ontario from Rondeau Provincial Park, Chaffey's Locks, Frontenac (Perth Road), and Peterborough (Kawartha Park).

Genus *Parasemia* Hübner

***P. plantaginis* (Linné) [= *scudderii* (Packard)].** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Thunder Bay; Timiskaming. 10 June–16 July. AMNH, CNC, LEM, ROM, UG. The record of two specimens in AMNH (from the Buchholz collection), labelled “Toronto VI-28” and “VII-20” without year, are questionable. This species has been recorded only from northern Ontario. Two other specimens, labelled “Charlton VI-10-1932” and “VI-18” without year, are also questionable; the labels are in the same handwriting as the Toronto specimens. See the remarks under *Closteria brucei* and *Spilosoma vestale*.

Genus *Pyrrharctia* Packard [= *Isia* auct.]

***P. isabella* (J. E. Smith).** 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wellington; Wentworth; York. 26 May–20 September. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.

Genus *Estigmene* Hübner

***E. acrea* (Drury).** Salt-marsh caterpillar/chenille des marais salants. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Peel; Simcoe; Welland; Wellington; Wentworth; York. 12 May-end summer. A partial second generation may occur in the south (London, 3 October). One female specimen in the ROM is completely yellow (Toronto, 25 May 1898).

Genus *Spilosoma* Curtis

The generic name is of neuter gender and the species names must correspond to this. See International Code of Zoological Nomenclature (1985, article 30) where *-soma* is specially mentioned as neuter. See also Paclt (1979).

***S. congruum* Walker.** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peel; Simcoe; Wellington; York. 8 May–18 July. AMNH, CNC, McM, QU, ROM, UG. A partial second generation may occur.

***S. dubium* (Walker)** [= *primum* Slosson]. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Haliburton; Leeds; Manitoulin; Muskoka; Parry Sound; Simcoe; York. 15 May–23 June. AMNH, CNC, McM, ROM, UWO. A partial second generation may occur: Timiskaming (Larder Lake, 30 July).

***S. latipennis* Stretch.** 4: Dundas; Durham; Elgin; Haldimand; Huron; Kent; Middlesex; Norfolk; Wentworth; York. 31 May–10 July. AMNH, CNC, LEM, ROM, UG.

***S. vestale* Packard.** The AMNH specimen labelled “Charlton, 7 July” (from the Buchholz collection) is highly suspect.

***S. virginicum* (Fabricius).** Yellow woollybear/diacrisie de Virginie. 2: Cochrane; Kenora; Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Oxford; Peel; Peterborough; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 6 May–28 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur. Melanic specimens (form *fumosum* Strecker) from Geraldton and Longlac are in the ROM. Partially melanic specimens from Toronto and Renfrew (Petawawa) in the ROM, similar

to the picture in Holland (1915, plate XVI, fig. 7), were erroneously assigned to form *fumosum* Strecker.

Genus *Hyphantria* Harris

***H. cunea* (Drury).** Fall webworm. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton*; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Renfrew; Simcoe; Waterloo; Wellington; Wentworth; York. 28 April–12 September. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur in the north in late July and early August, Rainy River (One Sided Lake) and Sudbury; at least two full generations occur locally in the south. All Ontario material is here referred to *H. cunea* (see McGugan, 1958; Heinicke, 1962; Morris, 1963). The pure white form dominates. A few checkered specimens exist in collections but are from many years ago, with the exception of one specimen with a few black spots from Leeds (Chaffeys Locks, 23 June 1963). An unnamed webworm with a light-headed caterpillar (see Morris, 1963) occurs sympatrically with *cunea* from New Brunswick to Georgia, but is not yet recorded in Ontario.

Genus *Epantheria* Hübner

***E. scribonia* (Stoll).** 4: Leeds; Middlesex; Norfolk; Welland; Wentworth. CNC, ROM. One CNC specimen was referred to by Bethune (1894) in his manual: "larva found near London, May 6, 1903, under a log—sent to Dr. Fletcher, pupated May 9, image June 4, at Ottawa." The Leeds specimen was collected 25 June 1975 by J. J. Belwood, on an incandescent light run by the ROM at Chaffeys Locks, Queen's University Biological Station. More specimens have since been collected in Leeds. See TEA Occasional Publications 1985, 16:20.

Genus *Phragmatobia* Stephens

***P. assimilans* Walker.** 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Leeds; Muskoka; Parry Sound; Renfrew; Simcoe. 18 April–19 June. AMNH, CNC, LEM, ROM. A boreal species, only rarely found in the south.

***P. fuliginosa* (Linné).** 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Northumberland; Ontario; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 21 April–31 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG. A partial second generation

may occur in August–September. Subspecies *P. f. rubricosa* (Harris).

***P. lineata* Newman and Donahue.** 4: Haldimand; Kent. 29 June–20 July.

ROM, Rondeau Provincial Park Museum. Only three specimens recorded from Ontario. Recorded in Canada from Calgary, Alberta, and from Manitoba.

Genus *Plataretia* Packard

***P. parthenos* (Harris).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Muskoka; Nipissing; Norfolk*; Wellington. 10 June–19 August. AMNH, CNC, LEM, McM, ROM, UG.

Genus *Arctia* Schrank

***A. caja* (Linné).** 2: Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Wellington; York. 12 June–20 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Subspecies *A. c. americana* Harris.

Genus *Apantesis* Harris

See Ferguson (1985).

***A. nais* (Drury).** 4: Essex; Frontenac; Haliburton; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peel; Welland; Wentworth; York. 25 May–5 July. CNC, QU, ROM, UG. A partial second generation may occur: Lincoln (Vineland, 9 September). Specimens of *A. nais* and *A. phalerata* from over the entire range have been dissected before assigning them to either of the two species. Specimens of *A. vittata* (Fabricius), which have distinctive male genitalia, were not found among the Ontario specimens surveyed.

***A. phalerata* (Harris).** 4: Brant; Bruce; Durham; Elgin; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Welland; Wellington; Wentworth; York. 31 May–autumn. CNC, ROM, QU. The only moth species in Ontario that may have three overlapping generations; a third partial generation may occur. First generation, end of May–mid July; second generation, mid July–end August in Wentworth (Ancaster, 29 August), Durham (Port Hope, 27 August. Trenton, 24 August); partial third generation, mid September–mid October (Algonquin Provincial Park, 12 September), (London, 8 October).

Genus *Grammia* Rambur

See Ferguson (1985).

G. anna (Grote). 4: Brant; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Norfolk; Peel; Welland; Wentworth; York. Earliest date: 4 June. Beth, CNC, McM, ROM, UG. A partial second generation may occur.

The normal form *persephone* (Grote) was collected at Brant (Brantford), Chaffeys Locks, Frontenac (Cole Lake), Haldimand (Dunnville), Halton (Erindale), Hamilton, Welland (Port Colborne), Rondeau Provincial Park, and Toronto. It occurs together with the nomotypical form.

G. arge (Drury). 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Lambton; Leeds; Middlesex; Norfolk; Peel; Renfrew; Welland; Wellington; Wentworth; York. 5 May–23 September. AMNH, CNC, ROM, UG. A partial second generation may occur.

G. celia (Saunders). 3: Sudbury. 4: Carleton; Durham; Frontenac; Huron; Leeds; Middlesex; Victoria; Wentworth; York. 2 June–7 August. Beth, CNC, McM, ROM. A partial second generation may occur. One ROM specimen has Saunders' labels and is marked *type*, from London. However, Bethune (1894) notes, "no. 110, *Arctia celia*, Toronto (Gore Vale by A.) 1862, TYPE, given to Dr. Fletcher October 1902." This specimen was found in 1966 in CNC.

G. doris (Boisduval). 2: Cochrane; Thunder Bay. 3: Sudbury. 4: Muskoka; Simcoe. 3 June–20 July. AMNH, CNC, ROM.

G. figurata (Drury). 3: Thunder Bay (Pukaskwa National Park). 4: York (Toronto, no other data). CNC. The questionable Toronto specimen belongs to form *preciosa* Nixon.

G. gibsoni McDunnough. Single specimen recorded from Wellington (Guelph, June 1924, D. C. B. Duff), identified by E. G. Munroe (then McGill University, now CNC [ret.]). ROM. The record is questionable.

G. oithona (Strecker). 4: Durham; Halton; Simcoe; Wellington. 23 June–9 September. CNC, ROM. A partial second generation may occur. The record from Simcoe Co. is only a note in Bethune (1894); there is no specimen representing this record. All preserved specimens belong to the normal form *rectilinea* (French).

G. parthenice (W. Kirby). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Simcoe; Victoria; Wentworth; York. 8 June–4 September. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur. Subspecies *G. p. intermedia* (Stretch) has been collected at Geraldton and Hamilton.

G. phyllira (Drury). 3: Sudbury. 4: Bruce; Carleton; Durham; Frontenac; Grey; Hastings; Huron; Kent; Lambton; Middlesex; Muskoka; Norfolk; Prince Edward; Wellington; Wentworth; York. 14 June–5 October. AMNH, Beth, CNC, LEM, ROM, UG, UWO. A partial second generation may occur in the south.

G. quenseli (Paykull). 1: Kenora, Patricia Portion (Cape Henrietta Maria, 7 July 1948). ROM; represented by a single specimen in the collection. Subspecies *G. q. gelida* (Möschler).

G. virgo (Linné). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haliburton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound*; Peterborough; Peel; Welland; Wellington; Wentworth; York. 9 June–5 September. A partial second generation may occur in the south.

G. virguncula (W. Kirby). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Lambton; Leeds; Lincoln; Manitoulin; Muskoka; Ontario; Welland; Wellington; Wentworth; York. 3 June–15 September. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation may occur in the south. The form *otiosa* (Neumoegen and Dyar) is recorded from Carleton (Mer Bleue) and Toronto.

G. williamsii (Dodge). William's tiger moth/apantèse du blé. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Manitoulin; Muskoka; Nipissing; Parry Sound; Simcoe. 20 June–15 August. AMNH, CNC, LEM, McM, ROM, UG. Distinctly northern.

Tribe Phaegopterini

Genus *Halysidota* Hübner

H. harrisii Walsh. Sycamore tussock moth/halisidote du sycomore. 4: Carleton; Durham; Kent; Welland. FIDS reared the species from larvae on white oak, basswood, birch, and sycamore. The larvae are easily separated from those of *H. tessellaris*.

H. tessellaris (J. E. Smith). Pale tussock moth/halisidote du pommier. 3: Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Simcoe; Wellington; Wentworth; York. 6 June–14 August. AMNH, CNC, McM, ROM, UG, UWO. This species is mixed with *H. harrisii* in collections; the attempt has not been made to

separate the species on the basis of genitalia preparations, which would require the dissection of every available specimen.

Genus *Lophocampa* Harris

***L. caryae* Harris.** Hickory tussock moth/halisidote du caryer. 4: Carleton; Durham; Elgin; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Norfolk; Victoria; Welland; Wentworth; York. 21 May–10 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Bethune (1894) noted one specimen caught in Toronto alive on 13 March 1863.

***L. maculata* Harris.** Spotted tussock moth/halisidote maculée. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Haldimand; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Peel; Waterloo; Wellington; Wentworth; York. 29 May–19 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Normally the latest date of occurrence is in mid July; the Thunder Bay (Fort William) record of 19 August might represent a partial second generation.

Genus *Cycnia* Hübner

***C. oregonensis* (Stretch).** 3: Sudbury. 4: Carleton; Durham; Essex; Frontenac; Hastings; Kent; Lambton; Leeds; Lincoln; Parry Sound; Simcoe; Wentworth; York. 20 May–29 July. AMNH, CNC, LEM, ROM.

***C. tenera* Hübner.** 2: Cochrane. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Muskoka; Norfolk; Peel; Simcoe; Welland; Wentworth; York. 3 June–22 July. AMNH, Beth, CNC, QU, ROM, UG. A partial second generation occurs in the south.

Genus *Euchaetes* Harris

***E. egle* (Drury).** 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Peel; Renfrew; Simcoe; Welland; Wentworth; York. 11 May–June. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation overlaps with the first generation. The latest recorded date of occurrence is 23 August, in Frontenac (Westbrook).

Subfamily Ctenuchinae

Genus *Ctenucha* W. Kirby

C. virginica (Esper). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. 26 May–19 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur in the south: Brant (Brantford, September 1948).

Genus *Cisseps* Franclemont

C. fulvicollis (Hübner). 2: Cochrane; Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Grenville; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 6 June–5 October. AMNH, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur.

Family Lymantriidae

Subfamily Orgyiinae

Tribe Orgyiini

Genus *Dasychira* Hübner

D. basiflava (Packard). 4: Leeds; Wentworth. CNC, ROM.

D. dorsipennata (Barnes and McDunnough). 4: Elgin; Leeds; Peterborough. CNC, ROM. Larvae found and reared on aspen. The freshly emerged moth has a peculiar greenish shine whereas the preceding species is brownish.

D. obliquata (Grote and Robinson). 2: Cochrane. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Nipissing; Norfolk; Peterborough; Prescott. AMNH, CNC, ROM.

D. pinicola (Dyar). 3: Rainy River. 4: Leeds; Muskoka; Nipissing; Simcoe. CNC, ROM.

D. plagiata (Walker). 2: Thunder Bay. 3: Algoma; Kenora; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Leeds; Muskoka; Nipissing; Parry Sound; Peel; Victoria; Wellington. AMNH, CNC, ROM.

D. vagans (Barnes and McDunnough). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Grenville; Leeds; Muskoka; Nipissing; Timiskaming; Victoria. AMNH, CNC, ROM. Only since Ferguson's (1978) painstaking and definitive revision of the genus are we able to identify the North American species. As the basic work on this checklist was concluded in late 1975, only records from CNC (identified by Ferguson), ROM (compared to those), and AMNH (as far as "ex ROM") have been included. There certainly were *Dasychira* specimens also in other consulted collections; however, no certain identification was possible at the time.

Genus *Orgyia* Ochsenheimer

O. antiqua (Linné). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Lanark; Muskoka; Nipissing; Northumberland; Renfrew; Wellington; York. 29 July–23 September. AMNH, Beth, CNC, ROM, UG, UWO. Slight differences in the male genitalia exist between European and Canadian specimens. Subspecies *O. a. nova* Fitch.

O. definita Packard. 4: Carleton; Dufferin; Elgin; Grey; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Norfolk; Ontario; Oxford; Parry Sound; Wentworth. 7 August–4 October. CNC, ROM, UG. Common at Queen's University Biological Station at Chaffey's Locks, where the larvae frequent basswood. Numerous cultures were reared in the laboratory from egg masses produced by females set out in little cages near basswood and fertilized regularly by wild males in the late morning hours. Wild female larvae, recognizable by their larger size, were often observed leaving their native basswood trees for neighbouring ones for pupation. One of our first rearings was from one of these larvae. See also Riotte (1977).

O. plagiata (Walker). 3: Sudbury; Thunder Bay. 4: Algoma; Bruce; Carleton; Durham; Essex; Frontenac; Grey; Haldimand; Hastings; Huron; Kent; Leeds; Lincoln; Middlesex; Muskoka; Northumberland; Parry Sound; Peel; Renfrew; Victoria; Welland; Wellington; York. 5 July–4 October. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Here regarded as full species (Ferguson, 1978), not as a subspecies of *O. leucostigma* (J. E. Smith). This species differs from *O. leucostigma* [= *O. meridionalis* Riotte] and *O. wardi* Riotte (from Nova Scotia) in characters of the female genitalia and early developmental stages. See Riotte (1971b, 1974, 1977, 1989); Chua, Riotte, and Gilmour (1976).

Subfamily Lymantriinae
Tribe Lymantriini

Genus *Lymantria* Hübner

***L. dispar* (Linné).** 4: Essex (Point Pelee*); Frontenac (Wolfe Island); Glengarry; Northumberland; Peterborough; York. CNC, ROM. Collected for the first time in 1969, this species has spread to the mainland around Kingston.

Genus *Leucoma* Stephens

***L. salicis* (Linné).** 4: Carleton (Ottawa and vicinity). CNC, ROM. Collected for the first time in 1973 by E. G. Munroe.

Family Noctuidae

This family is arranged according to Poole (1989).
The genera in the subfamilies and the species in the genera
are arranged alphabetically.

Subfamily Herminiinae

Genus *Bleptina* Guenée

***B. caradrinalis* Guenée.** 3. 4.

Genus *Chytolita* Grote

***C. morbidalis* (Guenée).** 4.

***C. petrealis* Grote.** 3. 4.

Genus *Dyspyralis* Warren

***D. illocata* Warren.** 4.

***D. nigella* (Strecker).** 4.

***D. puncticosta* (Smith).** 4.

Genus *Idia* Hübner

***I. aemula* Hübner.** Spruce epizeuxis/noctuelle de l'épinette. 2. 3. 4.

***I. americanalis* (Guenée).** 2. 3. 4.

***I. denticulalis* (Harvey).** 4: Frontenac (Sharbot Lake).

***I. diminuendis* (Barnes and McDunnough).** 4.

***I. forbesi* (French).** 4s: Frontenac (Perth Road); Leeds (Chaffey's Locks).

I. julia (Barnes and McDunnough). 4.
I. lubricalis (Geyer). 2. 3. 4.
I. majoralis (Smith). 4.
I. rotundalis (Walker). 4s: Frontenac (Perth Road); Leeds (Chaffeys Locks).
I. scobialis (Grote). 4.

Genus *Lascoria* Walker

L. ambigualis Walker. 4.

Genus *Lomanaltes* Grote

L. eductalis (Walker). 2. 3. 4.

Genus *Macrochilo* Hübner [= *Hormisa* Walker]

M. absorptalis Walker. 3. 4.
M. bivittata (Grote). 4.
M. litophora (Grote). 4.
M. louisiana (Forbes). 4s: Hastings (Trenton).
M. orciferalis Walker. 3. 4.

Genus *Palthis* Hübner

P. angulalis (Hübner). Spruce harlequin/arlequin de l'épinette. 2. 3. 4.
P. asopialis (Guenée). 3: Thunder Bay (Nipigon).

Genus *Phalaenophana* Grote [= *Philometra* Grote]

P. pyramusalis (Walker). 2. 3. 4.

Genus *Phalaenostola* Grote

P. eumelusalis (Walker). 4.
P. hanhami (Smith). 3. 4.
P. larentiooides Grote. 4.
P. metonalis (Walker). 2. 3. 4.

Genus *Polypogon* Schrank [= *Zanclognatha* Lederer]

P. jacchusalis (Walker). 4.
P. laevigata (Grote). 4.
P. lituralis (Hübner). 4.
P. latalba (Smith). 3.
P. obscuripennis (Grote). 2. 3.

P. ochreipennis (Grote). 2. 3. 4.
P. pedipilalis (Guenée). 3. 4.
P. protumnusalis (Walker). 4.
P. theralis (Walker). 4.

Genus *Renia* Guenée

R. factiosalis (Walker). 2. 4.
R. flaviguttalis (Geyer). 3. 4.
R. sobrialis (Walker). 3. 4.

Genus *Tetanolita* Grote

T. mynesalis (Walker). 4s: Kent (Chatham).

Subfamily Hypenodinae

Genus *Hypenodes* Doubleday

H. caducus (Dyar). 4.
H. fractilinea (Smith). 4.
H. palustris Ferguson. 2: Thunder Bay (Geraldton).

Subfamily Hypeninae

Genus *Hypena* Schrank [= *Bomolocha* Hübner, *Ophiuche* Hübner, *Parahypenodes* Barnes and McDunnough, *Plathypena* Grote]

H. abalienalis (Walker). 4.
H. atomaria Smith. 4s: Essex (Point Pelee)
H. baltimorealis (Guenée). 4.
H. bijugalis (Walker). 4n: Carleton (Ottawa).
H. deceptalis (Walker). 4.
H. edictalis (Walker). 4.
H. humili Harris. 2. 3. 4.
H. madefactalis (Guenée). 4.
H. manalis (Walker). 4.
H. minualis (Guenée). 4.
H. palparia (Walker). 3. 4.
H. quadralis Barnes and McDunnough. 4s: Hastings (Trenton).
H. scabra (Fabricius). Green cloverworm/ phalène des légumineuses. 2. 3. 4.
H. sordidula (Grote). 4.

Subfamily Ophiderinae [= Rivulinae]

Genus *Alabama* Grote

A. argillacea (Hübner). 2. 3. 4. Straggler.

Genus *Anomis* Hübner

A. erosa Hübner. 4s: Leeds (Chaffeys Locks). Occasional straggler.

A. flava (Fabricius). 4s: Norfolk (Delhi); York (Toronto). Occasional straggler.

Genus *Anticarsia* Hübner

A. gemmatalis Hübner. 4s: York (Toronto); Essex (Southeast Shoal*).
Occasional straggler.

Genus *Ascalapha* Hübner [= *Erebus* Latreille]

A. odorata (Linné). 3. 4. Occasional straggler as far as Thunder Bay.

Genus *Calyptro* Ochsenheimer

C. canadensis Bethune. 4.

Genus *Capis* Grote

C. curvata Grote. 2. 3. 4.

Genus *Cissusa* Walker

C. spadix (Cramer). 4s: York (Toronto). Rare straggler.

Genus *Colobochyla* Hübner [= *Salia* Hübner]

C. interpuncta (Grote). 4.

Genus *Drasteria* Hübner [= *Synedoida* Hy. Edwards]

D. adumbrata (Behr). 3. 4.

D. alleni (Grote). 3. 4.

D. grandirena (Haworth). 4.

Genus *Hypocala* Guenée

H. andremona (Cramer). 4s: Essex (Point Pelee); Kent (Chatham). Occasional straggler.

Genus *Ledaea* Druce

L. perditalis (Walker). 4.

Genus *Melanomma* Grote

M. auricinctaria Grote. 4.

Genus *Melipotis* Hübner

M. indomita (Walker). 4s: Lambton; York (Toronto).

M. jucunda Hübner. 4s: Essex (Point Pelee).

Genus *Metalectra* Hübner

M. discalis (Grote). 4.

M. quadrisignata (Walker). 4.

Genus *Mycterophora* Hulst

M. inexplicata (Walker). 2. 3.

Genus *Pangrapta* Hübner

P. decoralis Hübner. 2. 3. 4.

Genus *Panopoda* Guenée

P. carneicosta Guenée. 4.

P. repanda (Walker). 4s: York (Toronto).

P. rufimargo (Hübner). 4.

Genus *Phoberia* Hübner

P. atomaris Hübner. 4n: Hastings (Marmora).

Genus *Phytometra* Haworth

P. rhodarialis (Walker) [= *semipurpurea* (Walker)]. 4s.

Genus *Plusiodonta* Guenée

P. compressipalpis Guenée. 4.

Genus *Rivula* Guenée

R. propinqualis Guenée. 3. 4.

Genus *Scolecocampa* Guenée

S. liburna (Geyer). 4s.

Genus *Scoliopteryx* Germar

S. libatrix (Linné). 2. 3. 4.

Genus *Spargaloma* Grote

S. sexpunctata Grote. 2. 3. 4.

Genus *Spiloloma* Grote

S. lunilinea (Grote). 4s: Lincoln (Vineland).

Genus *Thysania* Dalman

T. zenobia (Cramer). 4s: Essex (Point Pelee); Kent (Chatham). Occasional straggler.

Subfamily Catocalinae

Genus *Allotria* Hübner

A. elonympha (Hübner). 4s: Essex (Windsor).

Genus *Argyrostratis* Hübner

A. anilis (Drury). 4.

Genus *Caenurgina* McDunnough

C. crassiuscula Haworth. 1. 2. 3. 4.

C. erechtea (Cramer). 2. 4.

Genus *Catocala* Schrank

C. amatrix (Hübner). 4s.
C. amica (Hübner) [= *lineella* Grote]. 4s.
C. antinympha (Hübner). 3. 4.
C. blandula Hulst. 2. 3. 4.
C. briseis Edwards. 2. 3. 4.
C. cara Guenée. 4s.
C. cerogama Guenée. 3. 4.
C. clintoni Grote. 4s.
C. coccinata Grote. 4s.
C. coelebs Grote. 3. 4.
C. concumbens Walker. 3. 4.
C. connubialis Guenée. 4s: Lambton (Pinery Provincial Park).
C. crataegi Saunders. 4s.
C. dejecta Strecker. 4s: Essex (Windsor).
C. epione (Drury). 4.
C. grynea (Cramer). 4s.
C. habilis Grote. 4.
C. ilia (Cramer). 4s.
C. illecta Walker. 4s: Essex (Harrow, near Leamington).
C. innubens Guenée. 4.
C. insolabilis Guenée. 4s.
C. judith Strecker. 4s: Essex (Windsor); Haldimand (Caledonia); Halton (Brockville).
C. lacrymosa Guenée. 4s: Norfolk (Delhi).
C. meskei Grote. 4s.
C. micronymphpha Guenée. 4s.
C. mira Grote. 3. 4s.
C. nebulosa Edwards. 4s: Essex (Windsor); Haldimand (Caledonia).
C. neogama (J. E. Smith). 4s.
C. obscura Strecker. 4.
C. palaeogama Guenée. 4s.
C. parta Guenée. 4s.
C. piatrix Grote. 4.
C. praeclara Grote and Robinson. 4s.
C. relicta Walker. 2. 3. 4.
C. residua Grote. 4s: York (Toronto).
C. reecta Grote. 4s.
C. semirelicta Grote. 2. 3. 4.
C. serena Edwards. 4.
C. similis Edwards. 4.
C. sordida Grote. 3. 4.
C. subnata Grote. 4s.
C. ultronia (Hübner). 3. 4.

C. unijuga Walker. 2. 3. 4.

C. vidua (J. E. Smith). 4s.

Genus *Celiptera* Guenée

C. frustulum Guenée. 4s: Middlesex (Strathroy).

Genus *Euclidia* Ochsenheimer

E. cuspidea (Hübner). 2. 3. 4.

Genus *Euparthenos* Grote

E. nubilis Hübner. 4.

Genus *Mocis* Hübner

M. latipes (Guenée). 4s.

Genus *Parallelia* Hübner

P. bistriaris Hübner. 4.

Genus *Zale* Hübner

Z. aeruginosa (Guenée). 2. 3. 4.

Z. calycanthata (J. E. Smith). 4: Manitoulin.

Z. duplicata (Bethune). Pine zale/phalène du pin. 2. 3. 4.

Z. galbanata (Morrison). 4.

Z. helata (Smith). 4.

Z. horrida Hübner. 4.

Z. lunata (Drury). 2. 3. 4.

Z. lunifera (Hübner) [= *cingulifera* (Walker)]. 4.

Z. metatoides McDunnough. 4s.

Z. minerea (Guenée). 2. 3. 4.

Z. phaeocapna Franclemont. 4s.

Z. submediana Strand. 3. 4.

Z. undularis (Drury). 4.

Z. unilineata (Grote). 3. 4.

Subfamily Plusiinae

Genus *Abrostola* Ochsenheimer

A. urentis Guenée. 2. 4.

Genus *Agrapha* Hübner

A. oxygramma (Geyer). 4s: Norfolk (Delhi); York (Toronto). Southern straggler.

Genus *Allagrapha* Franclemont

A. aerea (Hübner). 4.

Genus *Anagrapha* McDunnough

A. falcifera (Kirby). Celery looper/autographe du céleri. 2. 3. 4.

Genus *Argyrogramma* Hübner

A. verruca (Fabricius). 4s: Welland (Niagara Falls).

Genus *Autographa* Hübner

A. ampla (Walker). 2. 3. 4.

A. biloba (Stephens). 2. 4.

A. bimaculata (Stephens). 2. 3. 4.

A. flagellum (Walker). 2. 3. 4.

A. mappa (Grote and Robinson). 2. 3.

A. precatonis (Guenée). 2. 3. 4.

A. pseudogamma (Grote). 3. 4.

A. rubida Ottolengui. 2. 4.

Genus *Chrysanthympha* Grote

C. formosa (Grote). 3. 4.

Genus *Diachrysia* Hübner

D. aeroides (Grote). 2. 3. 4.

D. balluca Geyer. 2. 3. 4.

Genus *Eosphoropteryx* Dyar

E. thyatyroides (Guenée). 4.

Genus *Plusia* Ochsenheimer

P. contexta Grote. 4.

P. putnami Grote. 2. 3. 4.

P. venusta Walker. 2. 3. 4.

Genus *Pseudeva* Hampson

P. purpurigera (Walker). 3. 4.

Genus *Pseudoplusia* McDunnough

P. includens (Walker). 4.

Genus *Rachiplusia* Hampson

R. ou (Guenée). 2. 3. 4.

Genus *Syngrapha* Hübner

S. abstrusa Eichlin and Cunningham. 3. 4.

S. alias (Ottolengui). Spruce climbing cutworm/autographe de l'épinette. 2. 3. 4.

S. altera (Ottolengui). 2. 3: Thunder Bay (Nipigon, type locality).

S. epigaea (Grote). 2. 3. 4.

S. ignea (Grote). 2: Cochrane (Low Bush).

S. microgamma (Hübner). 2. 3. 4. Subspecies *nearctica* Ferguson.

S. montana (Packard). 3. 4.

S. octoscripta Grote. 3. 4.

S. rectangula (W. Kirby). Angulated cutworm/autographe à rectangle. 2. 3.

S. selecta (Walker). 2: Cochrane (Ogoki Post).

S. surena (Grote). 2: Cochrane (Low Bush. Smoky Falls).

S. u-aureum (Guenée). 3: Algonquin Provincial Park.

S. viridisigma Grote. Verdigris autograph/autographe verdâtre. 2. 3. 4.

Genus *Trichoplusia* McDunnough

T. ni (Hübner). Cabbage looper/arpenteuse du chou. 2. 3. 4.

Subfamily Euteliinae

Genus *Eutelia* Hübner

E. pulcherrima (Grote). 4s: Kent (Rondeau Provincial Park).

Genus *Marathyssa* Walker

M. basalis Walker. 4.

M. inficita (Walker). 4.

Genus *Paectes* Hübner

P. abrostoloides (Guenée). 4s: Waterloo (Kitchener).

P. oculatrix (Guenée). 4s: Welland (Port Colborne).

Subfamily Sarrothripinae

Genus *Baileya* Grote

B. australis (Grote). 4s: Haldimand (Dunnville).

B. dormitans (Guenée). 4.

B. doubledayi (Guenée). 3. 4.

B. ophthalmica (Guenée). 4.

Genus *Nycteola* Hübner

N. cinereana Neumoegen and Dyar. 2.

N. frigidana (Walker). 2. 3. 4.

N. scriptana (Walker). 3: Sudbury.

Subfamily Nolinae

Genus *Meganola* Dyar

M. minuscula (Zeller). 4: Carleton; Frontenac; Lanark; Leeds; Middlesex; Muskoka; Peterborough; Russell; Wentworth; York. Early July. CNC, ROM, UG.

M. sp. 4: Hastings (Marmora only). CNC. See Forbes (1960:53).

Genus *Nola* Leach [= *Celama* Walker]

N. ciliocoides (Grote). 4: Carleton; Frontenac; Hastings; Huron; Leeds; Norfolk; Wentworth. July. CNC, ROM.

N. clethrae Dyar. 4: Carleton; Wentworth. CNC.

N. ovilla Grote. 4: Carleton; Simcoe. CNC.

N. triquetrrana (Fitch). 4: Carleton; Kent; Nipissing; Norfolk; Wentworth; York. 21 May–16 June. CNC, ROM, UG. Specimen from Norfolk (Simcoe) is labelled, “bred from witch hazel.”

Subfamily Acontiinae

Genus *Acontia* Ochsenheimer

A. aprica (Hübner). 4s: Essex (Pelee Island); Kent (Chatham).

A. terminimaculata (Grote). 4.

Genus *Amyna* Guenée

A. octo (Guenée). 4n: Carleton (Ottawa).

Genus *Exyra* Grote

E. rolandiana Grote. 3. 4.

Genus *Homophoberia* Morrison

H. apicosa (Haworth). 4.

H. cristata Morrison. 4.

Genus *Hyperstrotia* Hampson

H. pervertens Barnes and McDunnough. 3. 4.

H. secta (Grote). 4.

H. villificans Barnes and McDunnough. 4n: Carleton (Ottawa).

Genus *Leuconycta* Hampson

L. diphteroides (Guenée). 3. 4.

L. lepidula (Grote). 4.

Genus *Lithacodia* Hübner

L. albidula (Guenée). 2. 3. 4.

L. bellicula Hübner. 2. 4.

L. carneola (Guenée). 2. 3. 4.

L. muscosula (Guenée). 4.

Genus *Maliatha* Walker

M. concinnimacula (Guenée). 4.

M. synochitis (Grote and Robinson). 3. 4.

Genus *Nigetia* Walker

N. formosalis Walker. 4.

Genus *Spragueia* Grote

S. leo (Grote). 4s: Middlesex (London).

Genus *Tarachidia* Hampson

T. binocula (Grote). 4s: Wentworth (Ancaster).

T. candefacta (Hübner). 4.

T. erastrioides (Guenée). 4.

T. tortricina (Zeller). 4.

Subfamily Pantheinae

Genus *Charadra* Walker

C. deridens (Guenée). 2. 3. 4.

Genus *Colocasia* Hampson

C. flavigornis (Smith). 3. 4.

C. infanta (Smith). 2.

C. propinquilinea (Grote). 2. 3. 4.

Genus *Panthea* Hübner

P. acronyctoides (Walker). Tufted spruce caterpillar/phalène de l'épinette. 2. 3.
4.

P. furcilla (Packard). 4.

Genus *Raphia* Hübner

R. frater Grote. 2. 3. 4.

Subfamily Acronictinae

Dagger moths.

Genus *Acronicta* Ochsenheimer

A. afflita Grote. 3. 4.
A. albarufa Grote. 4s: Huron (Grand Bend).
A. americana (Harris). American dagger moth/acronycte d'Amérique. 2. 3. 4.
A. clarescens Guenée. 4.
A. connecta Grote. 4s: Wentworth (Ancaster)
A. dactylina Grote. 2. 3. 4.
A. distans (Grote). 2. 3. 4.
A. fragilis (Guenée). 2. 3. 4.
A. funeralis Grote and Robinson. 2. 3. 4.
A. grisea Walker. 2. 3. 4.
A. haesitata (Grote). 3. 4.
A. hamamelis Guenée. 3. 4.
A. hasta Guenée. 4.
A. impleta Walker. 2. 3. 4.
A. inclara Smith. 3. 4.
A. increta Morrison. 4s: Wentworth (Ancaster).
A. innotata Guenée. 2. 3. 4.
A. interrupta Guenée. 3. 4.
A. laetifica Smith. 4.
A. lanceolaria (Grote). 3. 4.
A. leporina (Linné). 2. 3. 4.
A. lepusculina Guenée. 2. 3. 4.
A. lithospila Grote. 4.
A. lobeliae Guenée. 2. 4s: Lambton.
A. longa Guenée. 2. 3. 4.
A. modica Walker. 4s.
A. morula Grote and Robinson. 3. 4.
A. noctivaga Grote. 2. 3. 4.
A. oblinita (J. E. Smith). Smeared dagger moth/acronycte souillée. 2. 3. 4.
A. ovata Grote. 4s.
A. quadrata Grote. 3.
A. radcliffei (Harvey). 3. 4.
A. retardata (Walker). 3. 4.
A. rubricoma Guenée. 4s: Essex (Point Pelee).
A. sperata Grote. 2. 3. 4.
A. spinigera Guenée. 4s: Wentworth (Hamilton); York (Toronto). Syntypes:
Lincoln (St. Catharines). AMNH. See Poole (1989:29).
A. superans Guenée. 3. 4.
A. tristis Smith. 4s: Huron (Grand Bend).
A. tritona (Hübner). 2. 3. 4.
A. vinnula (Grote). 4.

Genus *Agriopodes* Hampson

A. fallax (Herrich-Schäffer). 4.

Genus *Anterastria* Sugi

A. teratophora (Herrich-Schäffer). 4.

Genus *Harrisimemna* Grote

H. trisignata (Walker). 2. 3. 4.

Genus *Polygrammate* Hübner

P. hebraicum Hübner. 4.

Genus *Simyra* Ochsenheimer

S. henrici (Grote). 2. 3. 4.

Subfamily Agaristinae

Genus *Alypia* Hübner

A. langtoni Couper. 2. 3. 4.

A. octomaculata (Fabricius). Eight-spotted forester/alypie à huit points. 4.

Genus *Androloma* Grote

A. maccullochii (Kirby). 2. 3.

Genus *Eudryas* Boisduval

E. grata (Fabricius). 4.

E. unio (Hübner). 4.

Genus *Psychomorpha* Harris

P. epimenis (Drury). 4s: Essex (Ojibway Park, 1987. Point Pelee*. Seen on Pelee Island); Halton (Campbellville); Waterloo (Kitchener).

Subfamily Amphyrinae

Genus *Achatodes* Guenée

A. zae (Harris). 4.

Genus *Amolita* Grote

A. fessa Grote. 4.

Genus *Amphipoea* Billberg

A. americana (Speyer). 2. 3. 4.

A. interoceanica (Smith). 4s: Lambton; Wentworth (Ancaster).

A. velata (Walker). 3. 4.

Genus *Amphyra* Ochsenheimer

A. glabella (Morrison). 3. 4.

A. pyramidoides Guenée. 4.

A. tragopoginis (Clerck). 4.

Genus *Andropolia* Grote

A. aedon (Grote). 2. 3.

A. contacta (Walker). 3.

Genus *Anorthodes* Smith

A. tarda (Guenée). 2: Thunder Bay (Geraldton).

Genus *Apamea* Ochsenheimer [= *Trichoplexia* Hampson]

A. alia (Guenée). 2. 3. 4.

A. amputatrix (Fitch). 2. 3. 4.

A. apamiformis (Guenée). 3. 4.

A. cariosa (Guenée). 4.

A. cogitata (Smith). 2.

A. commoda (Walker). 3.

A. devastator (Brace). Glassy cutworm/ver-gris vitreux. 2. 3. 4.

A. dubitans (Walker). 2. 3. 4.

A. extensa (Smith). 4n: Carleton (Ottawa).

A. finitima Guenée. 2. 3. 4.

A. helva (Grote). 4.

A. impulsa (Guenée). 2. 3. 4.

A. indocilis (Walker). 2. 3. 4.
A. inficita (Walker). 3.
A. inordinata (Morrison). 4s: Lincoln (Queenston); Peterborough*.
A. lateritia (Hufnagel). 2. 3. 4.
A. lignicolora (Guenée). 4.
A. lutescens (Andrews). 4s.
A. mixta (Grote). 3: Sudbury (Westree).
A. nigrior (Smith). 4.
A. niveivenosa (Grote). 2. 3. 4.
A. plutonia (Grote). 3. 4.
A. verbascoidea (Guenée). 3. 4.
A. vulgaris (Grote and Robinson). 4s: Lambton.
A. vultuosa (Grote). 3. 4.

Genus *Archana* Walker

A. laeta (Morrison). 4n: Carleton (Mer Bleue).
A. oblonga (Grote). 3. 4.
A. subflava (Grote). 2. 3. 4.

Genus *Athetis* Hübner [= *Proxenus* Herrich-Schäffer]

A. mendosa (McDunnough). 2: Cochrane (Smoky Falls).
A. miranda (Grote). 2. 3. 4.

Genus *Balsa* Walker

B. labecula (Grote). 4.
B. malana (Fitch). 4.
B. tristrigella (Walker). 4.

Genus *Bellura* Walker

B. densa (Walker). 4s: Hastings (Trenton).
B. gortynoides Walker. 2. 3. 4.
B. obliqua (Walker). 2. 3. 4.

Genus *Callopistria* Hübner

C. cordata (Ljungh) [= *montifera* (Guenée)]. 3. 4.
C. mollissima (Guenée). 4.

Genus *Caradrina* Ochsenheimer

C. extima (Walker). 3: Sudbury.
C. meralis (Morrison). 4s: Frontenac (Perth Road); Hastings (Trenton).
C. morpheus (Hufnagel). 4n: Carleton (Ottawa).
C. multifera (Walker). 3. 4.

Genus *Catabena* Walker

C. lineolata Walker. 4.

Genus *Celaena* Stephens [= *Helotropha* Lederer]

C. reniformis (Grote). 2. 3. 4.

Genus *Cerma* Hübner

C. cerintha (Treitschke). 3. 4.
C. cora Hübner. 3. 4.

Genus *Chytonix* Grote

C. palliatricula (Guenée). 3. 4.
C. ruperti Franclemont. 4s: Huron (Grand Bend).
C. sensilis Grote. 4.

Genus *Cirrophanus* Grote

C. triangulifer Grote. 4s: Kent (Rondeau Provincial Park); Middlesex (London).

Genus *Condica* Walker [= *Platysenta* Grote]

C. sutor (Guenée). 4s: Wentworth (Ancaster).
C. vecors (Guenée). 4.
C. videns (Guenée). 4.

Genus *Conservula* Grote

C. anodonta (Guenée). 4.

Genus *Cosmia* Ochsenheimer

C. calami (Harvey). 3. 4.

Genus *Crambodes* Guenée

C. talidiformis Guenée. 4.

Genus *Dypterygia* Stephens

D. rozmani Berio [= *scabriuscula* (Linné)]. 3. 4.

Genus *Elaphria* Hübner

E. festivoides (Guenée). 2. 3. 4.

E. grata Hübner. 4s; Hastings (Trenton).

E. versicolor (Grote). 4.

Genus *Enargia* Hübner

E. decolor (Walker). 2. 3. 4.

E. infumata (Grote). 2. 3. 4.

E. mephisto Franclemont. 4s.

Genus *Euplexia* Stephens

E. benesimilis McDunnough. 2. 3. 4.

Genus *Fagitana* Walker

F. littera (Guenée). 4n; Carleton (Ottawa).

Genus *Galgula* Guenée

G. partita Guenée. 2. 3. 4.

Genus *Hydraecia* Guenée

H. immanis Guenée. Hop vine borer / perceur du houblon. 4.

H. micacea (Esper). Potato stem borer / perce-tige de la pomme de terre. 4.

H. stramentosa Guenée. 4.

Genus *Hypocoena* Hampson

H. basistriga McDunnough. 3; Thunder Bay.

H. defecta (Grote). 3. 4.

Genus *Hyppa* Duponchel

H. xylinoides (Guenée) [= *ancociscönensis* (Morrison)]. 3. 4.

Genus *Ipimorpha* Hübner

I. pleonectusa Grote. 2. 3. 4.

Genus *Lemmeria* Barnes and Benjamin

L. digitalis (Grote). 4.

Genus *Luperina* Boisduval

L. passer (Guenée). 2. 3. 4.

Genus *Macronoctua* Grote

M. onusta Grote. Iris borer / perceur de l'iris. 4.

Genus *Magusa* Walker

M. orbifera (Walker). 4.

Genus *Meropleon* Dyar

M. diversicolor (Morrison). 3. 4.

Genus *Nedra* Clarke

N. ramosula (Guenée). 4.

Genus *Ogdoconta* Butler

O. cinereola (Guenée). 4.

Genus *Oligia* Hübner

O. bridghami (Grote and Robinson). 3. 4.

O. chlorostigma (Harvey). 4s: Frontenac (Perth Road); Lambton*.

O. exhausta (Smith). 4n: Carleton (Dunrobin).

O. fractilinea (Grote). 3. 4.

O. illocata (Walker). 2. 3. 4.

O. mactata (Guenée). 3. 4.

O. marina (Grote). 2.

O. minuscula (Morrison). 4.

O. modica (Guenée). 3. 4.

O. obtusa (Smith). 4s: Welland (Port Colborne).

O. semicana (Walker). 4.

O. tonsa (Grote). 3. 4.

Genus *Papaipema* Smith

P. apassionata (Harvey). 4.
P. arctivorens Hampson. 4s.
P. astuta Bird. 2: Thunder Bay (Geraldton)
P. aweme (Lyman). 4s: Huron (Grand Bend).
P. cataphracta (Grote). Burdock borer/ perce-tige de la bardane. 4.
P. cerina (Grote). 4s: Norfolk (Delhi).
P. cerrusata (Grote). 4s: Essex (Windsor area, J. Larson).
P. duovata (Bird). 4.
P. eupatorii (Lyman). 4.
P. furcata (Smith). 4.
P. harrisii (Grote). 3. 4.
P. impecuniosa (Grote). 4.
P. inquaesita (Grote and Robinson). 4.
P. leucostigma (Harris). Columbine borer/ perce-tige de l'ancolie. 4.
P. lysimachiae Bird. 4s: Welland (Port Colborne).
P. marginidens (Guenée). 4.
P. nebris (Guenée). 4.
P. necopina (Grote). 4s: Kent (Chatham).
P. nelita (Strecker). 4.
P. nepheleptena (Dyar). 4n: Carleton (Ottawa). 4s: Norfolk (Delhi).
P. pterisii Bird. 3. 4.
P. speciosissima (Grote and Robinson). 4n: Carleton (Ottawa). 4s: Leeds (Chaffeys Locks).
P. unimoda (Smith) [= *frigida* (Smith)]. 3. 4.

Genus *Perigea* Guenée

P. xanthioides Guenée. 4s: Essex (Windsor); Kent (Chatham).

Genus *Phlogophora* Treitschke

P. iris Guenée. 2. 3. 4.
P. periculosa Guenée. 2. 3. 4.

Genus *Phosphila* Hübner

P. miselioides (Guenée). 4s: Essex (Windsor); Norfolk (Delhi).

Genus *Plagiomimicus* Grote

P. pityochromus Grote. 4s: Essex (Windsor).

Genus *Spartiniphaga* McDunnough

S. includens (Walker). 4.
S. panatala (Smith). 4.

Genus *Spodoptera* Guenée

S. exigua (Hübner). 4

S. ornithogalli (Guenée). 4.

Genus *Trachea* Ochsenheimer

T. delicata (Grote). 4.

Genus *Xylomoia* Staudinger

X. chagnoni Barnes and McDunnough. 4.

Subfamily Cuculliinae

Genus *Adita* Grote

A. chionanthi (J. E. Smith). 4.

Genus *Anathix* Franclemont

A. puta (Grote and Robinson). 2: Cochrane (Ogoki Post).
A. ralla (Grote and Robinson). 4.

Genus *Apharetra* Grote

A. dentata (Grote). 2: Thunder Bay (Geraldton). 3. 4: Carleton (Mer Bleue, type locality of the synonym *purpurea* McDunnough, see Poole, 1989:111).

Genus *Blepharita* Hampson [= *Mniotype* Franclemont]

B. miniota (Smith). 2. 3.

Genus *Brachionycha* Hübner

B. borealis (Smith). 3: Thunder Bay (Black Sturgeon Lake).

Genus *Brachylomia* Hampson

B. discinigra (Walker). 2: Cochrane (Ogoki Post).

Genus *Chaetaglaea* Franclemont

C. cerata Franclemont. 4s: Leeds (Chaffeys Locks).

C. sericea (Morrison). 4n: Carleton (Ottawa).

Genus *Copivaleria* Grote

C. grotei (Morrison). 4s.

Genus *Cucullia* Schrank

C. asteroides Guenée. 4.

C. convexipennis Grote and Robinson. Aster cutworm/cucullie de l'aster. 4.

C. florea Guenée. 2. 3. 4.

C. lucifuga (Denis and Schiffermüller) [= *intermedia* Speyer]. Goldenrod cutworm/cucullie de la verge d'or. 2. 3. 4.

C. omissa Dod. 2. 3. 4.

C. postera Guenée. 4n: Carleton (Ottawa).

C. speyeri Lintner. 4s.

Genus *Epiglaea* Grote

E. apiata (Grote). 3. 4.

E. decliva (Grote). 4s.

Genus *Eucirroedia* Grote

E. pampina (Guenée). 3. 4.

Genus *Eupsilia* Hübner

E. devia (Grote). 4.

E. morrisoni (Grote). 4.

E. sidus (Guenée). 4.

E. tristigmata (Grote). 3. 4.

E. vinulenta (Grote). 4.

Genus *Feralia* Grote

F. comstocki (Grote). 2. 3. 4.

F. jocosa (Guenée). Green caterpillar/chenille à raies vertes. 4.

F. major Smith. 4.

Genus *Fishia* Grote

F. enthea Grote. 2. 3. 4.

Genus *Hillia* Grote

H. iris (Zetterstedt). 2. 4.

Genus *Homoglaea* Morrison

H. hircina Morrison. 2. 4.

Genus *Homohadena* Grote

H. badistriga (Grote). Honeysuckle budworm/phalène du chèvrefeuille. 3. 4.

H. infixa (Walker). 2. 3. 4.

Genus *Litholomia* Grote

L. napaea (Morrison). 2. 3. 4.

Genus *Lithomoia* Hübner

L. solidaginis (Hübner). 2: Cochrane (Ogoki Post).

Genus *Lithophane* Hübner

L. amanda (Smith). 2. 3. 4.

L. antennata (Walker). Green fruitworm/phalène du fruit vert. 4.

L. baileyi Grote. 3. 4.

L. bethunei (Grote and Robinson). 4.

L. disposita Morrison. 4.

L. fagina Morrison. 4.

L. georgii Grote. 2. 3. 4.

L. grotei Riley. 4.

L. hemina Grote. 4.

L. innominata (Smith). 3. 4.

L. laticinerea Grote. 4.

L. lemmeri (Barnes and Benjamin). 4: Frontenac (Arden).

L. lepida Grote. 3. 4.

L. oriunda Grote. 4.

L. patefacta (Walker). 4.

L. petulca Grote [= *ferrealis* Grote]. 3. 4.

L. pexata Grote. 2. 3. 4.

L. querquera Grote. 4s: Frontenac (Perth Road).

L. semiusta Grote. 4.

L. tepida Grote. 2: Timiskaming (Larder Lake). 4s: Frontenac (Perth Road).

L. thaxteri Grote. 2. 3. 4.

L. unimoda (Lintner). 3. 4.

Genus *Metaxaglaea* Franclemont

M. inulta (Grote). 4.

Genus *Oncocnemis* Lederer

O. piffardi (Walker). 2. 3.

O. riparia Morrison. 4s.

O. saundersiana Grote. 4.

O. viriditincta Smith. 4s: Leeds (Chaffeys Locks); Wentworth (Hamilton).

Genus *Parastichtis* Hübner

P. discivaria (Walker). 2. 4.

Genus *Platypolia* Grote

P. anceps Stephens. 3. 4.

Genus *Properigea* Barnes and Benjamin

P. costa Barnes and Benjamin. 4s: Frontenac (Perth Road); Leeds (Chaffeys Locks).

Genus *Psaphida* Walker

P. electilis (Morrison). 4s.

P. rolandi Grote. 4s: Kent (Chatham).

P. styracis (Guenée). 4s.

P. thaxteriana (Grote). 4s: Norfolk (Delhi).

Genus *Psectraglaea* Hampson

P. carnosa (Grote). 4s.

Genus *Pyreferra* Franclemont

P. ceromatica (Grote). 4s.

P. citromba Franclemont. 3.

P. hesperidago (Guenée). 4.

P. pettiti (Grote). 4.

Genus *Sunira* Franclemont

S. bicolorago (Guenée). 4.

Genus *Sutyna* Todd

S. privata (Walker). 2. 4.

S. profunda (Smith). 2.

Genus *Sympistis* Hübner

S. zetterstedtii (Staudinger) [= *kolthoffi* (Aurivillius)]. 1: Kenora (Cape Henrietta Maria).

Genus *Xanthia* Ochsenheimer

X. togata (Esper) [= *lutea* (Ström)]. 2. 3. 4.

Genus *Xylenea* Ochsenheimer

X. cineritia (Grote). 2. 3. 4.

X. curvimacula (Morrison). 3. 4.

X. nupera (Lintner). 3. 4.

X. thoracica (Putnam-Cramer). 2. 3.

Genus *Xylotype* Hampson

X. acadia Barnes and Benjamin. 2. 3.

Subfamily Hadeninae

Genus *Achatia* Hübner

A. distincta Hübner. 4.

Genus *Aletia* Hübner

A. oxygala (Grote). 2. 3. 4.

Genus *Anarta* Ochsenheimer

A. cordigera (Thunberg) [= *luteola* (Grote and Robinson)]. 4n.

A. melanopa (Thunberg). 1: Kenora (Fort Severn).

Genus *Anartomima* Boursin

A. secedens (Walker). 3: Thunder Bay (Black Sturgeon Lake).

Genus *Anhimella* McDunnough

A. contrahens (Walker). 2. 3. 4.

Genus *Crocigrapha* Grote

C. normani (Grote). Climbing cherry cutworm/phalène du cerisier. 3. 4.

Genus *Discestra* Hampson

D. trifolii (Hufnagel). Clover cutworm/ver-gris du trèfle. 2. 3. 4.

Genus *Egira* Duponchel

E. alternans (Walker). 4s: Leeds (Chaffeys Locks).

E. dolosa (Grote). 3. 4.

E. purpurea (Barnes and McDunnough). 3.

Genus *Faronta* Smith

F. diffusa (Walker). Wheat head armyworm/légionnaire des épis de blé. 2. 3. 4.

Genus *Hadena* Schrank [= *Anepia* Hampson]

H. capsularis (Guenée). 4s: Lambton.

Genus *Homorthodes* McDunnough

H. furfurata (Grote). 3. 4.

Genus *Lacanobia* Billberg

L. atlantica (Grote). 2. 3. 4.

L. nevadae (Grote). 2. 3. 4.

L. radix (Walker). 2. 3. 4.

L. subjuncta (Grote and Robinson). 4.

Genus *Lacinipolia* McDunnough

L. anguina (Grote). 2. 3. 4.

L. implicata McDunnough. 4s: Leeds (Chaffeys Locks).

L. lorea (Guenée). 2. 3. 4.
L. lustralis (Grote). 3. 4.
L. meditata (Grote). 4.
L. olivacea (Morrison). 2. 3. 4.
L. renigera (Stephens). 2. 3. 4.
L. vicina (Grote). 2. 3. 4.

Genus *Lasionycta* Aurivillius

L. albinuda (Smith). 3: Thunder Bay (Black Sturgeon Lake).

Genus *Leucania* Ochsenheimer

L. commoides Guenée. 2. 3. 4.
L. inermis (Forbes). 4.
L. insueta Guenée. 2. 4.
L. multilinea Walker. 2. 3. 4.
L. phragmatidicola Guenée. 3. 4.
L. pseudargyria Guenée. 4.
L. ursula (Forbes). 4s.

Genus *Mamestra* Ochsenheimer

M. curialis (Smith). 3. 4.

Genus *Melanchra* Hübner

M. adjuncta (Boisduval). 2. 3. 4.
M. assimilis (Morrison). 3. 4.
M. picta (Harris). Zebra caterpillar/chenille zébrée. 4.
M. pulverulenta (Smith). 2. 3.

Genus *Morrisonia* Grote

M. confusa (Hübner). 4.
M. evicta (Grote). 4.
M. latex (Guenée). 2. 4.

Genus *Nephelodes* Hübner

N. minians Guenée. 2. 3. 4.

Genus *Orthodes* Guenée

O. crenulata (Butler). 3. 4.

O. cynica Guenée. 2. 3. 4.
O. goodelli (Grote). 4.
O. obscura (Smith). 2. 3. 4.

Genus *Orthosia* Ochsenheimer

O. alurina (Smith). 4n: Carleton (Dunrobin). 4s: Leeds (Chaffeys Locks).
O. hibisci (Guenée). 2. 3. 4.
O. revicta (Morrison). 2. 3. 4.

Genus *Papestra* Sukhareva

P. cristifera (Walker). 2. 3.
P. quadrata (Smith) [= *ingravis* Smith]. 3.

Genus *Polia* Ochsenheimer

P. detracta (Walker). 2. 3.
P. imbrifera (Guenée). 2. 3. 4.
P. nimbosa (Guenée). 3. 4.
P. purpurissata (Grote). 2. 3. 4.
P. rogenhoferi (Möschler) [= *carbonifera* Hampson; = *leomegra* (Smith)]. 2:
Cochrane (Ogoki Post). 3: Thunder Bay (Black Sturgeon Lake).

Genus *Protorthodes* McDunnough

P. incincta (Morrison). 4s: Essex (Windsor).
P. oviduca (Guenée). 2. 3. 4.

Genus *Pseudaletia* Franclemont

P. unipuncta (Haworth). Armyworm/légionnaire uniponctuée. 2. 3. 4.

Genus *Pseudorthodes* McDunnough

P. vecors (Guenée). 2. 3. 4.

Genus *Sideridis* Hübner

S. congermana (Morrison). 4.
S. maryx (Guenée). 2. 3.
S. rosea (Harvey). 2. 3. 4.

Genus *Spiramater* McCabe

S. grandis (Guenée). 2. 3. 4.

S. lutra (Guenée). 2. 3. 4.

Genus *Stretchia* Hy. Edwards

S. plusiiformis Hy. Edwards. 2. 3.

Genus *Trichoclea* Grote

T. artesta (Smith). 4s: Kent (Chatham); Welland (Port Colborne).

Genus *Trichodestra* McCabe

T. legitima (Grote). 2. 3. 4.

T. lilacina (Harvey). Flax cutworm/ver-gris du lin. 3. 4.

T. rugosa (Morrison). 4.

T. tacoma (Strecker). 2. 3.

Genus *Tricholita* Grote

T. signata (Walker). 3. 4.

Genus *Ulolonche* Smith

U. culea (Guenée). 3. 4.

U. modesta (Morrison). 4s.

Subfamily Noctuinae

Tribe Agrotini

Genus *Abagrotis* Smith

A. alternata (Grote). 3. 4.

A. barnesi (Benjamin). 4s: Northumberland (Presqu'ile Provincial Park).

A. placida (Grote). 2: Thunder Bay (Geraldton).

Genus *Agrotis* Ochsenheimer

A. gladiaria Morrison. Clay-backed cutworm/ver-gris argile. 4.

A. epsilon (Hufnagel). Black cutworm/ver-gris noir. 2. 3. 4.

A. mollis Walker. 3.

A. obliqua (Smith). 2. 3. 4.

A. stigmosa Morrison. 4.

A. venerabilis Walker. 4.
A. vetusta Walker. 3. 4.
A. volubilis Harvey. 2. 3. 4.

Genus *Anaplectoides* McDunnough

A. prasina (Denis and Schiffermüller). 2. 3. 4.
A. pressus (Grote). 2. 3. 4.

Genus *Aplectoides* Butler

A. condita (Guenée). 2. 3.

Genus *Cerastis* Ochsenheimer

C. tenebrifera (Walker). 4.

Genus *Chersotis* Boisduval

C. juncta (Grote). 2: Thunder Bay (Geraldton).

Genus *Choephora* Grote and Robinson

C. fungorum Grote and Robinson. 4s: Kent (Chatham); Welland (Port Colborne).

Genus *Cryptocala* Benjamin

C. acadiensis (Bethune). 2. 3. 4.

Tribe Aniclini

Genus *Diarsia* Hübner

D. dislocata (Smith). 3.
D. freemani Hardwick. 2.
D. jucunda (Walker). 2. 3. 4.
D. rubifera (Grote). 2. 3. 4.

Genus *Euagrotis* McDunnough

E. forbesi Franclemont. 4.
E. illapsa (Walker). 3. 4.

Genus *Eueretagrotis* Smith

E. attenta (Grote). 2. 3. 4.
E. perattenta (Grote). 2. 3. 4.
E. sigmoides (Guenée). 4.

Genus *Eugrapha* Hübner

E. subrosea (Stephens) [= *opacifrons* (Grote)]. 2. 3. 4.

Genus *Eurois* Hübner

Generic name is of masculine gender.

E. astrictus Morrison. 2. 3. 4.

Genus *Euxoa* Hübner

Subgenus *Longivesica* Hardwick

E. divergens (Walker). 2. 3. 4.
E. messoria (Harris). Dark-sided cutworm/ver-gris moissonneur. 4.
E. sinelinea Hardwick. 2. 3.

Subgenus *Pleonectopoda* Grote

E. aurulenta (Smith). 4s: Welland (Port Colborne).
E. churchillensis (McDunnough). 1: Kenora (Cape Henrietta Maria).
E. pleuritica (Grote). 3. 4.
E. quebecensis (Smith). 2. 3.
E. scandens (Riley). White cutworm/ver-gris blanc. 2. 3. 4.

Subgenus *Chorizagrotis* Smith

E. lidia (Cramer). 4n: Carleton (Ottawa).

Subgenus *Euxoa* Hübner

E. albipennis (Grote). 4.
E. bostoniensis (Grote). 4.
E. campestris (Grote). 3. 4.
E. comosa (Morrison) [= *ontario* (Smith)]. 2. 3.
E. declarata (Walker). 3. 4.
E. detersa (Walker). Sand cutworm/ver-gris arénicole. 4.
E. fumalis (Grote). 4.
E. mimallonis (Grote). 3. 4.

E. obeliscoides (Guenée). 4.
E. ochrogaster (Guenée). Red-backed cutworm/ver-gris à dos rouge. 2. 3. 4.
E. redimicula (Morrison). 4.
E. scholastica McDunnough. 4.
E. servita (Smith). 3. 4.
E. tessellata (Harris). Striped cutworm/ver-gris rayé. 3. 4.
E. velleripennis (Grote). 4.

Subgenus *Orosagrotis* Hampson

E. manitobana McDunnough. 4s: Huron (Grand Bend).
E. perpolita (Morrison). 2. 3. 4.
E. ridingsiana (Grote). 2: Thunder Bay (Geraldton).

Genus *Feltia* Walker

F. geniculata Grote and Robinson. 2. 3. 4.
F. herilis (Grote). 3. 4.
F. jaculifera (Guenée) [= *ducens* (Walker)]. 3. 4.
F. subgothica (Haworth). Dingy cutworm/ver-gris terne. 4.
F. tricosa (Lintner). 4s.

Genus *Graphiphora* Ochsenheimer

G. haruspica (Grote). 2. 3. 4.

Genus *Hemipachnobia* McDunnough

H. monochromatea (Morrison). 2. 4.

Genus *Heptagrotis* McDunnough

H. phyllophora (Grote). 2. 3. 4.

Genus *Loxagrotis* McDunnough

L. sp. 4: Manitoulin.

Genus *Metalepsis* Grote

M. fishii (Grote). 3: Thunder Bay (Black Sturgeon Lake). 4s: Frontenac (Perth Road).
M. salicarum (Walker). 2. 3. 4.

Genus *Ochropleura* Hübner

O. jennica (Tauscher). Black armyworm/légionnaire noire. 2. 3. 4.
O. plecta (Linné). 2. 3. 4.

Genus *Paradiarsia* McDunnough

P. littoralis (Packard). 2. 3. 4.

Genus *Peridroma* Hübner

P. saucia (Hübner). Variegated cutworm/ver-gris panaché. 2. 3. 4.

Genus *Protolampra* McDunnough

P. brunneicollis (Grote). 4.
P. rufipectus (Morrison). 2. 3. 4.

Genus *Rhynchagrotis* Smith

R. anchocelioides (Guenée). 4n: Carleton (Ottawa). 4s: Niagara Peninsula.
R. cupida (Grote). 2: Thunder Bay (Geraldton).

Genus *Spaelotis* Boisduval

S. clandestina (Harris). W-marked cutworm/ver-gris clandestin. 2. 3. 4.

Genus *Ufeus* Grote

U. satyrinus Grote. 2. 3. 4.

Genus *Xestia* Hübner [= *Anomogyna* Staudinger]

X. adela Franclemont. Spotted cutworm/ver-gris tacheté. 2. 3. 4.
X. atrata (Morrison). 2. 3.
X. badicollis (Grote). 3. 4.
X. badinodis (Grote). 4.
X. bicarnea (Guenée). 3. 4.
X. bugrai Kocak. 2. 3. 4.
X. dilucida (Morrison). 4s: Frontenac (Perth Road).
X. dolosa Franclemont. 4s.
X. fabulosa Ferguson. 3: Thunder Bay (Pukaskwa National Park).
X. normaniana (Grote). 3. 4.
X. oblata (Morrison). 2. 3.
X. perquiritata (Morrison). Gray spruce cutworm/phalène grise de l'épinette. 3.
X. smithii (Snellen). 2. 3. 4.

X. speciosa (Hübner). 2.
X. tenuicula (Morrison). 2. 3. 4.
X. youngii (Smith). 4.

Subfamily Heliothinae

Genus *Eutricopis* Morrison

E. nexilis Morrison. 3. 4.

Genus *Helicoverpa* Hardwick

H. zea (Boddie). Corn earworm, tomato fruitworm/ver de l'épi du maïs, noctuelle de la tomate. 2. 4.

Genus *Heliothis* Ochsenheimer

H. borealis (Hampson). 2.
H. paradoxus Grote. 4s: Kent (Chatham).
H. phloxiphagus Grote and Robinson. 4.
H. virescens (Fabricius). Tobacco budworm/phalène verdoyante. 4s: Kent (Chatham).

Genus *Pyrrhia* Hübner

P. exprimens (Walker). 2. 3. 4.
P. umbra (Hufnagel). Rose budworm/pique-bouton du rosier. 3*. 4.

Genus *Rhodoecia* Hampson

R. aurantiago (Guenée). 4s: Huron (Grand Bend); Norfolk (Delhi).

Genus *Schinia* Hübner

S. arcigera (Guenée). 4.
S. florida (Guenée). 3. 4.
S. gloriosa (Strecker). 4s: Lambton (Pinery Provincial Park).
S. lynx (Guenée). 4.
S. meadi (Grote). 3: Rainy River (Emo).
S. nundina (Drury). 4s: Kent (Chatham).
S. obscurata Strecker. 4.
S. rivulosa (Guenée). 3. 4.
S. thoreauui (Grote and Robinson). 4s: Kent (Chatham).
S. trifascia Hübner. 4.

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Annotated List of Ontario Lepidoptera

J. C. E. Riotte

This checklist summarizes current knowledge about the distribution and taxonomy of the major groups of moths and butterflies in Ontario. The author, J. C. E. Riotte, is a research associate in the Department of Entomology, Bishop Museum, Honolulu, and also in the Department of Entomology, Royal Ontario Museum.

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